



Digital Media Receiver

iDA-X305S



iPhone 3GS
16GB 32GB



iPhone 3G
8GB 16GB



iPhone
4GB 8GB 16GB



iPod touch
2nd generation
8GB 16GB 32GB 64GB



iPod touch
1st generation
8GB 16GB 32GB



- OWNER'S MANUAL
Please read before using this equipment.

- 用戶手冊
請在使用本設備之前先閱讀用戶手冊。

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Operating Instructions

WARNING

WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISES WHILE DRIVING.

Excessive volume levels that obscure sounds such as emergency vehicle sirens or road warning signals (train crossings, etc.) can be dangerous and may result in an accident. LISTENING AT LOUD VOLUME LEVELS IN A CAR MAY ALSO CAUSE HEARING DAMAGE.

MINIMIZE DISPLAY VIEWING WHILE DRIVING.

Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT DISASSEMBLE OR ALTER.

Doing so may result in an accident, fire or electric shock.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.

Failure to do so may result in fire or electric shock.

DO NOT BLOCK VENTS OR RADIATOR PANELS.

Doing so may cause heat to build up inside and may result in fire.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.

Use for other than its designed application may result in fire, electric shock or other injury.

CAUTION

This symbol means important instructions. Failure to heed them can result in injury or material property damage.

HALT USE IMMEDIATELY IF A PROBLEM APPEARS.

Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Center for repairing.

PRECAUTIONS

Product Cleaning

Use a soft dry cloth for periodic cleaning of the product. For more severe stains, please dampen the cloth with water only. Anything else has the chance of dissolving the paint or damaging the plastic.

Temperature

Be sure the temperature inside the vehicle is between +60°C (+140°F) and -10°C (+14°F) before turning your unit on.

Maintenance

If you have problems, do not attempt to repair the unit yourself. Return it to your Alpine dealer or the nearest Alpine Service Station for servicing.

Installation Location

Make sure the iDA-X305S will not be installed in a location subjected to:

- Direct sun and heat
- High humidity and water
- Excessive dust
- Excessive vibrations

Protecting the USB connector

- Only an iPod/iPhone USB memory or Portable audio player can be connected to the USB connector on this unit. Correct performance using other USB products cannot be guaranteed.
- If the USB connector is used, be sure to use only the supplied connector cable with the unit. A USB hub is not supported.
- Depending on the connected USB memory device, the unit may not function or some functions may not be performed.
- The audio file format that can be played back on the unit is MP3/WMA/AAC.
- Artist/song name, etc., can be displayed, however characters may not be correctly displayed.



Alpine accepts no responsibility for lost data, etc., even if data, etc., is lost while using this product.

On Handling USB Memory

- This unit can control a memory storage device that supports the USB Mass Storage Class (MSC) protocol. Playable audio file formats are MP3, WMA and AAC.
- USB memory function is not guaranteed. Use USB memory according to the terms of agreement. Read the USB memory Owner's Manual thoroughly.
- Avoid usage or storage in the following locations:
 - Anywhere in the car exposed to direct sunlight or high temperatures.
 - Anywhere the possibility of high humidity or corrosive substances are present.
- Fix the USB memory in a location where driver operation will not be hindered.
- USB memory may not function correctly at high or low temperature.
- Use only certified USB memory. Note that even certified USB memory, may not function correctly depending on its type or state.
- Depending on the settings of the USB memory type, memory state or encoding software, the unit may not play back or display properly.
- Files that are copy-protected (using some type of DRM, Digital Rights Management) cannot be played back on this unit. WMA format files with DRM or AAC format files that have been purchased from the iTunes Store are included in this restriction.
- USB memory may take time to start playback. If there is a particular file other than audio in the USB memory, it may take considerable time before the file is played back or searched.
- The unit can play back "mp3," "wma" or "m4a" file extensions.
- Do not add the above extensions to a file other than audio data. This non-audio data will not be recognized. The resulting playback may contain noise that can damage speakers and/or amplifiers.
- It is recommended to back up important data on a personal computer.
- Do not remove the USB device while playback is in progress. Change SOURCE to something other than USB, then remove the USB device to prevent possible damage to its memory.

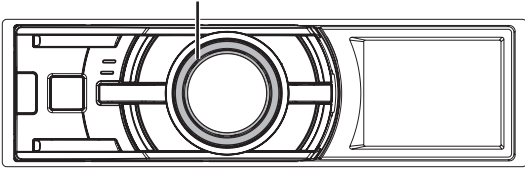
On Handling Portable audio player

- The unit can control a Portable audio player with the USB interface. Playable audio file formats are MP3 and WMA.
- Portable audio player function is not guaranteed. Use Portable audio player according to the terms of agreement. Read the Portable audio player Owner's Manual thoroughly.
- Avoid usage or storage in the following locations:
 - Anywhere in the car exposed to direct sunlight or high temperatures.
 - Anywhere the possibility of high humidity or corrosive substances are present.
- Fix the Portable audio player in a location where driver operation will not be hindered.
- Portable audio player may not function correctly at high or low temperature.

- Depending on the settings of the Portable audio player type, memory state or encoding software, the unit may not play back or display properly.
- If the Portable audio player has an MSC/MTP setting, set to MTP.
- A Portable audio player in which data is stored by USB Mass Storage may not be playable on the unit.
- Depending on the Portable audio player settings, USB Mass Storage may be supported. For setting, refer to the Owner's Manual of the player.
- The unit can play back MP3/WMA files synchronized by Windows Media Player (Ver. 10 or 11), and are then forwarded to the player. The "mp3" or "wma" extensions are playable.
- If data is not synchronized by Windows Media Player and is forwarded in another way, the unit may not be able to correctly play back the files.
- WMDRM10 is supported by the unit.
- A file that is copy-protected (copyright protection) cannot be played back.
- It is recommended to back up important data on a personal computer.
- Do not remove the USB device while playback is in progress. Change SOURCE to something other than USB, then remove the USB device to prevent possible damage to its memory.

Double Action Encoder Operation

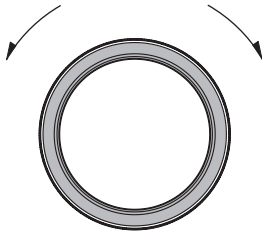
Double Action encoder



There are 2 ways to operate the Double Action encoder.

Normal operation

Rotate the **Double Action encoder** to the left or right.



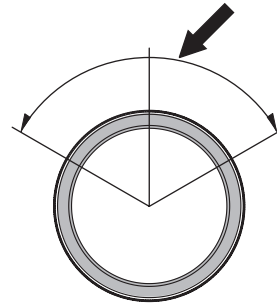
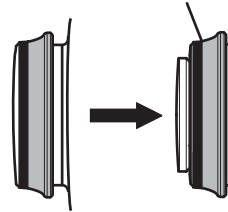
The adjust volume and scroll through a list of items.

Alternate operation

Press in the outer ring and rotate the **Double Action encoder** to the left or right.

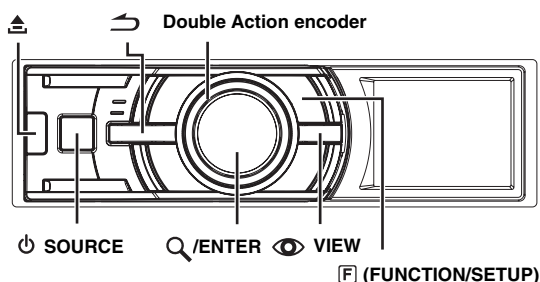
When you release the Double Action encoder, the display changes.

Press the Double Action encoder.



Depending on the current mode, the resultant action varies. If you press then rotate and hold the **Double Action encoder** to the left or right, the items/displays change continuously.

Getting Started



Accessory List

- Digital Media Receiver.....1
- Power cable.....1
- Mounting sleeve.....1
- Carrying case.....1
- Front frame.....1
- Bracket key.....2
- Screw (M5x8).....4
- USB cable.....1
- iPod Dock interface cable.....1
- Owner's Manual 1 set

Turning Power On and Off

Press **SOURCE** to turn on the unit.

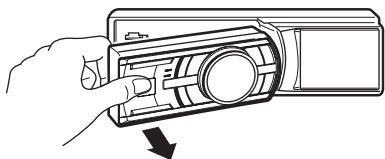
- The unit can be turned on by pressing any other button except **(Release)**, **Double Action encoder** and **VIEW**. The unit is also automatically turned on if an iPod/iPhone or USB memory is connected.

Press and hold **SOURCE** for at least 2 seconds to turn off the unit.

Detaching and Attaching the Front Panel

Detaching

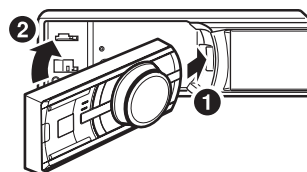
- 1 Turn off the unit power.
- 2 Press **(Release)** at the lower left side until the front panel pops out.
- 3 Grasp the left side of the front panel and pull it out.



- The front panel may become hot in normal usage (especially the connector terminals on the back of the front panel.) This is not a malfunction.
- To protect the front panel, place it in the supplied carrying case.

Attaching

- 1 Insert the right side of the front panel into the main unit. Align the groove on the front panel with the projections on the main unit.
- 2 Push the left side of the front panel until it locks firmly into the main unit.



- Before attaching the front panel, make sure that there is no dirt or dust on the connector terminals and no foreign object between the front panel and the main unit.
- Attach the front panel carefully. Hold the panel by its sides to avoid pushing any buttons by mistake.

Initial System Start-Up

Be sure to press the RESET switch when using the unit for the first time, after changing the car battery, etc.

- 1 Turn off the unit power.
- 2 Press **(Release)** to remove the front panel.
- 3 Press **RESET** with a ballpoint pen or similar pointed object.



Adjusting Volume

Rotate the **Double Action encoder** until the desired sound is obtained.

Setting the Time and Calendar

1 Press and hold **F (FUNCTION/SETUP)** for at least **2 seconds** to activate the **SETUP** selection mode.

2 Rotate the **Double Action encoder** to select **"General"**, and then press **Q/ENTER**.

BLUETOOTH ↔ General ↔ Display ↔ iPod ↔ Audio

3 Rotate the **Double Action encoder** to select **"Clock Adjust"**, and then press **Q/ENTER**.

The calendar setting mode is activated.

When the year is set, proceed step 5.

4 Rotate the **Double Action encoder** to select **year, month, day, hour or minutes** to be set.

5 Press **Q/ENTER**.

The year setting mode is activated, and the year blinks.
(When "year" is set)

6 Rotate the **Double Action encoder** to set year, and then press **Q/ENTER**.

The setting for year is complete. (When "year" is set)

7 Repeat steps 4 to 6 above to set month, day, hour and minutes.

8 Press and hold **↵** for at least **2 seconds** to return to normal mode.

- Pressing **↵** during the procedure will return to the previous mode.

Displaying the Calendar/Time

Press **VIEW**.

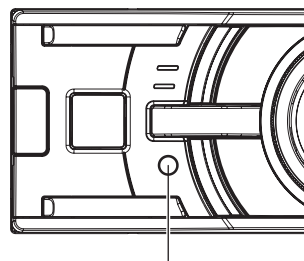
The calendar/time is displayed. Pressing **VIEW** again will return to normal mode.



- Selecting any tuner or iPod/iPhone function while in the clock priority mode will interrupt the time display momentarily. The function selected will be displayed for about 5 seconds before the time returns to the display.
- If an iPod/iPhone is connected, the album cover screen can be displayed. Refer to "Changing the Display" (page 12).
- In Auxiliary / Auxiliary+ mode, Calendar/Time is not displayed.

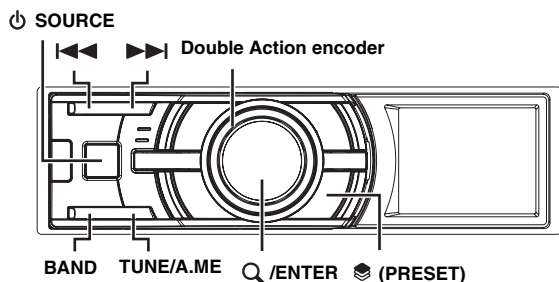
Controllable With Remote Control

Point the optional remote control transmitter at the remote control sensor.



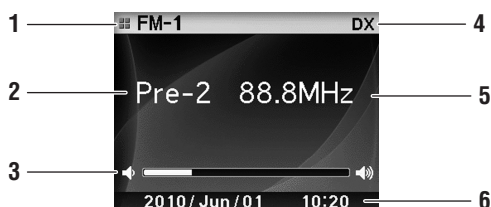
Remote control sensor

Radio



How to View the Display

<Radio screen display example>



- 1 Mode display
- 2 Preset number
- 3 Volume
- 4 Tuning mode
- 5 Frequency
- 6 Calendar/Time

Listening to Radio

- 1 Press **SOURCE** to select **TUNER** mode.
 - 2 Press **BAND** repeatedly until the desired radio band is displayed.
FM-1 → FM-2 → AM → FM-1
 - 3 Press **TUNE/A.ME** to select the tuning mode.
DX (Distance mode) → Local (Local mode) → Manual (Manual mode) → DX (Distance mode)
- The initial mode is Distance mode.

Distance mode:

Both strong and weak stations will be automatically tuned in (Automatic Seek Tuning).

Local mode:

Only strong stations will be automatically tuned in (Automatic Seek Tuning).

Manual mode:

The frequency is manually tuned in steps (Manual tuning).

- 4 Press **◀◀** or **▶▶** to tune in the desired station.
Holding down **◀◀** or **▶▶** will change the frequency continuously.

Presetting Stations Manually

- 1 Select the radio band and tune in a desired radio station you wish to store in the preset memory.
 - 2 Press **(PRESET)**.
The Preset screen is displayed.
 - 3 Rotate the **Double Action encoder** to select the preset number.
 - 4 Press and hold **Q/ENTER** for at least 2 seconds.
The selected station is stored.
The display shows the band, preset number and station frequency memorized.
- A total of 18 stations can be stored in the preset memory (6 stations for each band; FM1, FM2 and AM).
 - If you store a station in a preset memory which already has a station, the current station will be cleared and replaced with the new station.
 - Press in the outer ring and rotate the **Double Action encoder** to the left or right on the Preset screen, you can switch the Preset screen of another band.

FM-1 ↔ FM-2 ↔ AM ↔ FM-1

You can also change the desired radio band by pressing **BAND**.

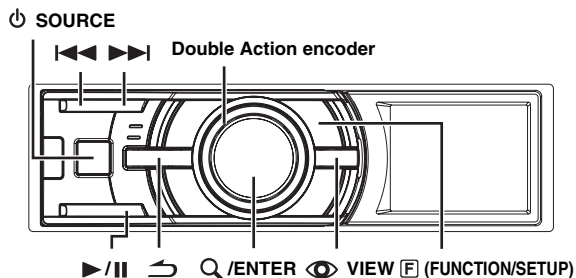
Presetting Stations Automatically

- 1 Press **BAND** repeatedly until the desired radio band is displayed.
 - 2 Press and hold **TUNE/A.ME** for at least 2 seconds. "Auto Memory" is displayed while the automatic memory is in progress. The tuner will automatically seek and store 6 strong stations in the selected band. They will be stored 1 to 6 in order of signal strength.
When the automatic memory has been completed, the tuner goes to the station stored in preset location No.1.
- If no stations are stored, the tuner will return to the original station you were listening to before the auto memory procedure began.

Tuning to Preset Stations

- 1 Press **BAND** repeatedly until the desired band is displayed.
 - 2 Press **PRESET**.
The Preset screen is displayed.
 - 3 Rotate the **Double Action encoder** to select a radio station.
 - 4 Press **Q/ENTER**.
The display shows the band, preset number and frequency of the station selected.
- Press in the outer ring and rotate the **Double Action encoder** to the left or right on the Preset screen, you can switch the Preset screen of another band.
FM-1 ↔ FM-2 ↔ AM ↔ FM-1
You can also change the desired radio band by pressing **BAND**.

iPod/iPhone



When an iPod/iPhone is connected to the iDA-X305S by using the proper cable, the controls on the iPod/iPhone are not functional.

- Internet or telephone functions, etc., of the iPhone or iPod touch are not controllable from the unit, but these functions can be controlled using the iPhone or iPod touch itself.
- If you connect an iPhone to the iDA-X305S, it can be used as an iPod. If you use iPhone as a hands-free phone, you need the optional **BLUETOOTH INTERFACE (KCE-400BT)**.
- This unit does not support the iPod **FULL SPEED** connection. Therefore, even if you connect an iPod/iPhone using the **FULL SPEED** connection cable (KCE-433iV) on the **BLUETOOTH INTERFACE (KCE-400BT)**, you cannot operate the iPod/iPhone.
- This unit does not support video playback from iPod/iPhone.

About iPod/iPhone usable with this unit

- Confirmed devices regarding Made for iPod. Correct function of earlier versions cannot be guaranteed.
iPod touch (Late 2009): Ver.3.1.2
iPod nano (5th generation): Ver.1.0.2
iPod classic (Late 2009): Ver.2.0.3
iPod touch (2nd generation): Ver.3.1.2
iPod nano (4th generation): Ver.1.0.3
iPod classic (120GB): Ver.2.0.1
iPod touch (1st generation): Ver.3.1.2
iPod nano (3rd generation): Ver.1.1.3
iPod classic (80GB, 160GB): Ver.1.1.2
iPod nano (2nd generation): Ver.1.1.3
iPod with video: Ver.1.3
iPod nano (1st generation): Ver.1.3.1
- Confirmed devices regarding Works with iPhone. Correct function of earlier versions cannot be guaranteed.
iPhone 3GS: Ver.3.1.2
iPhone 3G: Ver.3.1.2
iPhone: Ver.3.1.2
- For clarity in identifying your model of iPod, please see Apple's own document "Identifying iPod models" at <http://support.apple.com/kb/HT1353>.

How to View the Display



- 1 Mode display
- 2 Song title/Episode title/Audiobook title
- 3 Artist title/Podcast title
- 4 Album title/Release date
- 5 Artwork screen
- 6 Elapsed time
- 7 Remaining time for playing
- 8 Calendar/Time

- When playback time reaches 100 minutes, “00’00” is displayed.

Playback

- 1 Press **⏻ SOURCE** to switch to the iPod mode.
- 2 Press **⏮** or **⏭** to select the desired song.

Return to the beginning of the current song:

Press **⏮**.

Fast backward:

Press and hold **⏮**.

Advance to the beginning of the next song:

Press **⏭**.

Fast forward:

Press and hold **⏭**.

- 3 To pause playback, press **⏸/⏹**.
Pressing **⏸/⏹** again will resume playback.

- If a song is playing on the iPod/iPhone when it is connected to the iDA-X305S, it will continue playing after the connection.
- Podcasts or audiobooks may have several chapters. The chapters can be changed by pressing **⏮** or **⏭**.

Searching for a desired Song/Title

An iPod/iPhone can contain thousands of songs. The unit for this reason can make various searches using the search function as shown below. Using the Playlist/Artist/Album/Podcast/Audiobook/Genre/Composer/Song search mode's individual hierarchy, you can narrow down your search as shown in the table below.

Hierarchy 1	Hierarchy 2	Hierarchy 3	Hierarchy 4
Playlists	Songs	—	—
Artists	Albums	Songs	—
Albums	Songs	—	—
Podcasts	Episodes	—	—
Audiobooks	—	—	—
Genres	Artists	Albums	Songs
Composers	Albums	Songs	—
Songs	—	—	—

- You can select your preferred search mode. Refer to “iPod/iPhone Search Mode Setting” (page 22).
- For example, if the selected artist has only one album, the song search mode is selected immediately, skipping the album search mode.

For example: Searching by Artist name

The following example explains how an ARTIST search is performed. Another search mode can be used for the same operation, although the hierarchy differs.

- 1 Press **Q/ENTER** to activate the Menu Select mode.
- 2 Rotate the **Double Action** encoder to select “Artists”, and then press **Q/ENTER**.
The artist search mode is activated and an artist name is displayed.
- 3 Rotate the **Double Action** encoder to select the desired Artist, and then press **Q/ENTER**.
The album search mode is activated and an album name is displayed.
Pressing and holding **Q/ENTER** for at least 2 seconds will play back all songs of the selected artist.
- 4 Rotate the **Double Action** encoder to select an album, and then press **Q/ENTER**.
The song search mode is activated and a song name is displayed.
Pressing and holding **Q/ENTER** for at least 2 seconds will play back all songs of the selected album.
- 5 Rotate the **Double Action** encoder to select a song and press **Q/ENTER**.
The selected song is played back.

- While in the search mode, if you press and hold **↶** for at least 2 seconds the search mode is canceled.
- In the search mode, pressing **↶** will return to the previous mode.
- If the iPod/iPhone's name is selected in the Playlist search mode and **Q/ENTER** is pressed, all songs in the iPod/iPhone are searchable. If you press and hold **Q/ENTER** for at least 2 seconds, all songs in the iPod/iPhone are played back beginning from the first song listed.
- “No Support” is displayed when text information is not compatible with the iDA-X305S.
- When a list is displayed, you can use the page skip, percent skip, or alphabet skip function. For details, refer to “Page Skip Function/Percent Skip Function/Alphabet Skip Function” (page 11).
- During the search mode, if you select All and press **Q/ENTER**, you can search for all titles in the next hierarchy. If you select All, and press and hold **Q/ENTER** for at least 2 seconds, all titles in the selected hierarchy are played back repeatedly.

Page Skip Function/Percent Skip Function/Alphabet Skip Function

The unit is provided with a page skip/percent skip/alphabet skip function for effective searching. When you use this function in the search mode, you can quickly search an artist or a song, etc.

1 Press **[F] (FUNCTION/SETUP)** repeatedly to choose the desired mode.

The factory setting is set to the page skip function.

Page skip function → Alphabets skip function →

Percent skip function → Page skip function

Page skip function: The list is skipped page by page.

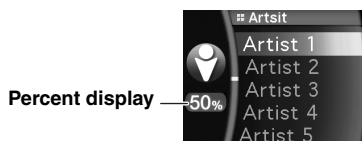
Alphabet skip function: The alphabet skip function is skipped to the next alphabet such as from A to B, B to C. You can skip in reverse order such as B to A by rotating the **Double Action encoder** to the left.

Percent skip function: For example, 100 songs are stored in the iPod/iPhone. These 100 songs are divided into 10 groups (0%, 10%, ... 90%).

2 Press in the outer ring and rotate the **Double Action encoder** to the left or right.

A list is skipped to the next page, next alphabet or percent.

■ Percent skip display example



■ Alphabet skip display example



- If you press then rotate and hold the **Double Action encoder** to the left or right, the display continuously changes.
- The order of the list depends on the design of the iPod/iPhone.

Search Position Memory

During iPod/iPhone playback, you can quickly move back up the selected hierarchy, a level at time.

Press **[↶].**

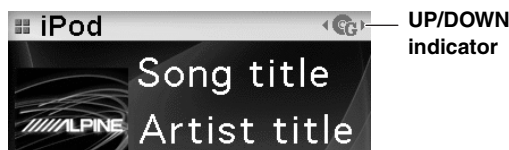
The hierarchy level you selected last in the search mode is displayed. Repeated presses return to each previous level up to the highest.

Up/Down Function

If you select an album and press and hold **[Q/ENTER]** in the search mode, this album will be played back repeatedly. To go to the previous or next Album, use the Up/Down function.

■ Indicator display

The display of the UP/DOWN indicator shows which item can be selected.



	Playlist
	Artist
	Album
	Podcast
	Audiobook
	Genre
	Composer

Press in the outer ring and rotate the **Double Action encoder** to the left.

Returns to the previous item.

Press in the outer ring and rotate the **Double Action encoder** to the right.

Advances to the next item.

- If you do not perform a search, this function is not valid.
- If you are searching for a song, this operation cannot be performed.
- During an artist search, albums for that artist can be played.
- If an album is selected during an artist search, the Up/Down function can be used to play other albums by that artist.

Random Play Shuffle

1 Press **[F] (FUNCTION/SETUP)**.

The Function screen is displayed.

2 Rotate the **Double Action encoder** to select "Shuffle", and press **[Q/ENTER]**.

The Shuffle mode is activated.

3 Rotate the **Double Action encoder** to select the Shuffle playback mode, and press **[Q/ENTER]**.

- Shuffle Album** : An album in the iPod/iPhone is selected at random, and is played back in the album song order.
- Song** : If you select a song in the search mode, all songs in the selected mode are played back at random.
- Off** : Shuffle mode off.

4 Press **[↶]**.

The songs will be played back in random sequence.


- To cancel, select **Off** in the above procedure.
- **Shuffle Album/Shuffle Song** works the same way as iPod/iPhone **Shuffle Albums/Shuffle Songs**.

Random Play Shuffle All

Shuffle ALL plays all songs in the iPod/iPhone randomly.

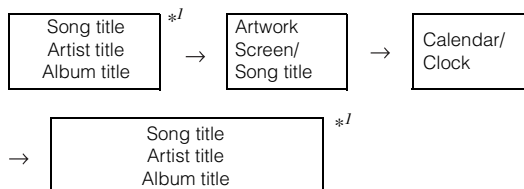
- 1 Press **Q/ENTER**.
The Menu Select screen is displayed.
- 2 Press **Q/ENTER** while selecting "Shuffle All".
The indicator **⌘ ALL** lights, and the songs will be played back in random sequence.
 - To cancel, set the Shuffle mode to Off. Refer to "Random Play Shuffle" (page 11).
 - If Shuffle All is selected, the selected ones which are being played back in the search mode are cancelled.

Repeat Play

- 1 Press **F (FUNCTION/SETUP)**.
The Function screen is displayed.
- 2 Press **Q/ENTER**.
The Repeat mode is activated.
- 3 Rotate the **Double Action encoder** to select "Song", and press **Q/ENTER**.
Repeat Song  : A single song is repeatedly played back.
Off : Repeat mode off.
- 4 Press **↶**.
The song is repeatedly played back.
 - To cancel, select Off in the above procedure.
 - Both the shuffle and repeat indicators that can be set are displayed, only one song repeats.

Changing the Display

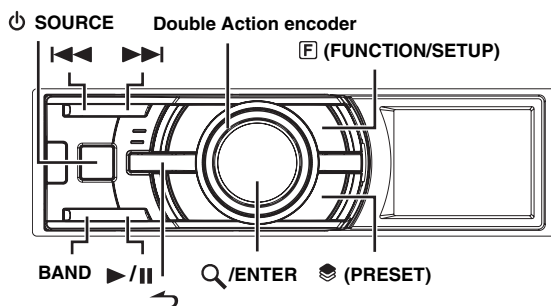
Press **VIEW**.



**1 TAG information*
If there is no text information, nothing will be displayed.

- Only alphanumeric characters can be displayed.
- The maximum number of characters is 128 (128 byte).
- Some characters may not be correctly displayed.
- "No Support" is displayed when text information is not compatible with the iDA-X305S.

USB memory/ Portable audio player/Changer

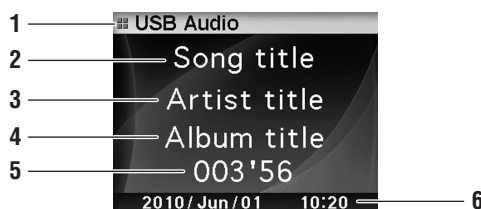


If a USB memory device, Portable audio player or changer is connected to the unit, MP3/WMA/AAC files can be played back.

How to View the Display

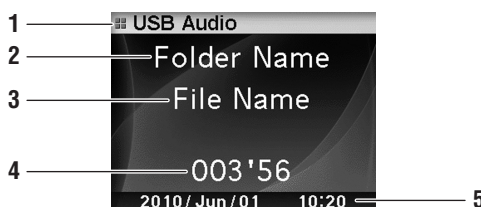
USB memory/Portable audio player display

USB memory/Portable audio player screen display example (if tag information exists)



- 1 Mode display
- 2 Song title
- 3 Artist title
- 4 Album title
- 5 Elapsed time
- 6 Calendar/Time

USB memory/Portable audio player screen display example (if no tag information exists)



- 1 Mode display
- 2 Folder name^{*1}
- 3 File name
- 4 Elapsed time
- 5 Calendar/Time

Changer display

<Changer CD screen display example (if CD text exists)>



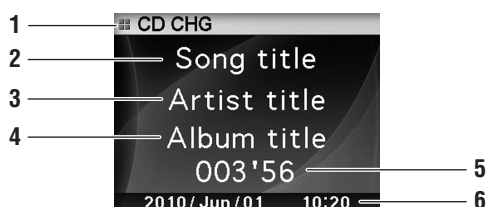
- 1 Mode display
- 2 CD text (disc name)^{*2}
- 3 CD text (track name)^{*2}
- 4 Disc number
- 5 Track number
- 6 Elapsed time
- 7 Calendar/Time

<Changer CD screen display example (if no CD text exists)>



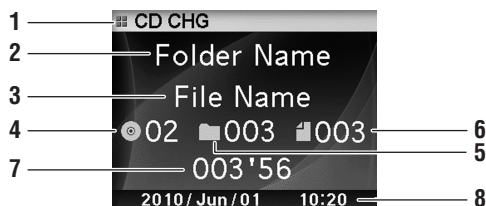
- 1 Mode display
- 2 Disc number
- 3 Track number
- 4 Elapsed time
- 5 Volume
- 6 Calendar/Time

<Changer MP3 screen display example (if tag information exists)>



- 1 Mode display
- 2 Song title
- 3 Artist title
- 4 Album title
- 5 Elapsed time
- 6 Calendar/Time

<Changer MP3 screen display example (if no tag information exists)>



- 1 Mode display
- 2 Folder name^{*1}
- 3 File name
- 4 Disc number
- 5 Folder number
- 6 File number
- 7 Elapsed time
- 8 Calendar/Time

^{*1} About Folder Name display, "ROOT" is displayed for the root folder which does not have folder name.

^{*2} Displayed during playback of a disc with CD Text.

- ID3 tag/WMA tag
If an MP3/WMA/AAC file contains ID3 tag/WMA tag information, the ID3 tag/WMA tag information is displayed.
- The tag information display takes priority. If there is tag information, the folder/file name is not displayed.
- "No Support" is displayed when text information is not compatible with the iDA-X305S.

Playback

1 Press **⏻** **SOURCE** to select the "USB Audio" or "CD CHG" mode.

2 Press **⏮** or **⏭** to select the desired track (file).

Returning to the beginning of the current track (file):

Press **⏮**.

Fast backward:

Press and hold **⏮**.

Advancing to the beginning of the next track (file):

Press **⏭**.

Fast forward:

Press and hold **⏭**.

- When a Portable audio player is connected, fast-forwarding/fast-reversing is not available.

3 To pause playback, press **⏸** / **⏹**.

Pressing **⏸** / **⏹** again will resume playback.

- The playback time may not be correctly displayed when a VBR (Variable Bit Rate) recorded file is played back.

Selecting a Disc (Changer) (Optional)

An optional 6-disc or 12-disc CD Changer may be connected to this unit if it is Ai-NET compatible. With a CD Changer connected to the Ai-NET input of this unit, the CD Changer will be controllable from this unit.

Using the KCA-410C (Versatile Link Terminal) multiple changers can be controlled by this unit.

See “Multi-Changer Selection (Optional)” on page 14 for selecting the CD Changers.

- The controls on this unit for CD Changer operation are operative only when a CD Changer is connected.
- The DVD changer (optional) is controllable from this unit as well as the CD changer.

1 Press (PRESET).

The Disc Select screen is displayed.

2 Rotate the Double Action encoder to select a disc.

3 Press /ENTER.

The selected disc number appears in the display and CD/MP3 playback starts.

Multi-Changer Selection (Optional)

When using KCA-410C (Versatile Link Terminal), you can connect two changers and two external outputs (AUX).

1 Press SOURCE on this unit to activate the “CD CHG” mode.

2 Press BAND to activate the CD Changer Selection mode.

The CD Changer Selection mode remains active for several seconds.

3 Press BAND until the desired CD Changer appears on the display.

- For further details about the external input (AUX) when using KCA-410C, see “Setting the AUX Mode (V-Link)” on page 20.

Select the desired Folder (Folder up/down) (MP3/WMA/AAC)

Press in the outer ring and rotate the Double Action encoder to the left.

Return to the previous folder.

Press in the outer ring and rotate the Double Action encoder to the right.

Advances to the next folder.

The first file in the selected folder is played back.

- When M.I.X. is played back on the USB memory and Portable audio player, this operation cannot be performed.

Repeat Play

1 Press (FUNCTION/SETUP).



The Function screen is displayed.

2 Press /ENTER.




The repeat mode is activated.

3 Rotate the Double Action encoder to select the Repeat playback mode.


USB memory/Portable audio player mode :

- | | | |
|------------|---|--|
| Repeat One |  | : Only a track is repeatedly played back. |
| Folder |  | : Only files in a folder are repeatedly played back. |
| Off | | : Repeat mode is turned off. |

CD Changer mode :

- | | | |
|------------|---|--|
| Repeat One |  | : Only a file is repeatedly played back. |
| Folder * |  | : Only files in a folder are repeatedly played back. |
| Disc |  | : A disc is repeatedly played back. |
| Off | | : Repeat mode is turned off. |

* When an MP3 compatible CD changer is connected.

- If Repeat Disc is set to ON during M.I.X. One play in CD changer mode, M.I.X. will apply to the current disc only. The indicator  appears in the display.

4 Press /ENTER.

5 Press .



The track (file) will be played repeatedly.

- To cancel, select Off in the above procedure.





M.I.X. (Random Play)

- 1 Press **[F] (FUNCTION/SETUP)**.
The Function screen is displayed.
- 2 Rotate the **Double Action encoder** to select **M.I.X.**
- 3 Press **[Q]/ENTER**.
The M.I.X. mode is activated.
- 4 Rotate the **Double Action encoder** to select the **M.I.X. playback mode**.

USB memory/Portable audio player mode :

- M.I.X. Folder  : Only files in a folder are played back in random sequence.
- All  **ALL** : All songs in USB memory/Portable audio player are played back in random sequence.
- Off : M.I.X. mode is turned off.

CD Changer mode :

- M.I.X. One  : All files in a disc are played back in random sequence, and playback shifts to the next disc.
- Folder ^{*1}  : Only files in a folder are played back in random sequence.
- All ^{*2}   : The tracks on all the CDs in the current magazine will be played back in the random sequence.
- Off : M.I.X. mode is turned off.

^{*1} When an MP3 compatible CD changer is connected.

^{*2} When a CD changer equipped with the ALL M.I.X. function is connected.

- If M.I.X. One is set to ON during Repeat Disc play in CD changer mode, M.I.X. will apply to the current disc only.

- 5 Press **[Q]/ENTER**.

- 6 Press **[>]**.

The tracks (files) will be played back in random sequence.

- To cancel, select Off in the above procedure.

Searching for CD Track Number (CD changer only)

You can search for a song by track number.

- 1 Press **[Q]/ENTER** during play.
This will set the search mode.
 - 2 Rotate the **Double Action encoder** to select the **desired track**, and then press **[Q]/ENTER**.
This will play the selected track.
- Press **[>]** in the search mode to cancel.
 - During list selection, if you press in the outer ring and rotate the **Double Action encoder** to the left or right, the list screen changes screen by screen. If you press then rotate and hold the **Double Action encoder** to the left or right, the list screen continuously changes.
 - CD Track Number search cannot be made during M.I.X. play.

File/Folder Name Search (concerning MP3/WMA/AAC)

You can display and search for the folder and file name while listening to the file currently being played back.

USB memory mode

- 1 During MP3/WMA/AAC playback, press **[Q]/ENTER** to activate the search mode.
The search mode is activated, and the folder/file name is displayed.
- 2 Rotate the **Double Action encoder** to select the **desired folder/file**.
- 3 Press **[Q]/ENTER**.
If you select a file, the selected file is played back.
If you select a folder, a folder/file(s) in the folder is displayed. Proceed to step 4.
- 4 Perform steps 2 and 3 repeatedly until you find the **desired file**.



Portable audio player mode

If a Portable audio player is synchronized by the Windows Media Player (Ver. 10, 11), perform the following.

- 1 Press **[Q]/ENTER** to activate the search mode.
The search mode is activated.
- 2 Rotate the **Double Action encoder** to select **"Music"** or **"Albums"** or **"Playlists"**, and then press **[Q]/ENTER**.
If "Music" is selected, the Artist name list is displayed. Go to step 3.
If "Albums" is selected, go to step 4-1.
If "Playlists" is selected, go to step 4-2.
- 3 Rotate the **Double Action encoder** to select the **desired artist**, and then press **[Q]/ENTER**.
An album list of the selected artist is displayed. Go to step 4-1.
- 4-1 Rotate the **Double Action encoder** to select the **desired album**, and then press **[Q]/ENTER**.
The song list of the selected album is displayed.
- 4-2 Rotate the **Double Action encoder** to select the **desired playlist**, and then press **[Q]/ENTER**.
The song list of the selected playlist is displayed.
- 5 Rotate the **Double Action encoder** to select the **desired song**, and then press **[Q]/ENTER**.
The selected song is played back.

MP3 Changer mode

- 1 During MP3 playback, press **[Q]/ENTER** to activate the **folder search mode**.
The search mode is activated, and the folder name is displayed.
- 2 Rotate the **Double Action encoder** to select the **desired folder**, and then press **[Q]/ENTER**.
The File name of the selected folder is displayed.
- 3 Rotate the **Double Action encoder** to select the **desired file**, and then press **[Q]/ENTER**.
The selected file is played back.

- If USB memory is connected, the folder/file can be searched up to the eighth hierarchy. The ninth and subsequent folder/file(s) cannot be searched and played back.
- Press and hold  for at least 2 seconds in the search mode to cancel.
- While in the Search mode, press  to switch to the previous mode.
- During list selection, if you press in the outer ring and rotate the **Double Action encoder** to the left or right, the list screen changes screen by screen. If you press then rotate and hold the **Double Action encoder** to the left or right, the list screen continuously changes.
- File/Folder Name search cannot be made during M.I.X. play.
- If there is no file in the folder, nothing is displayed.
- “ROOT” is displayed for the root folder which does not have folder name.
- If a Portable audio player is connected, and only playlists have been created, only “Playlists” are displayed.
- If a Portable audio player via USB Mass Storage (not synchronized with Windows Media Player) is connected, refer to the search operation during USB memory connection. Refer also to page 4.

About MP3/WMA/AAC

CAUTION

Except for private use, duplicating audio data (including MP3/WMA/AAC data) or distributing, transferring, or copying it, whether for free or for a fee, without permission of the copyright holder is strictly prohibited by the Copyright Act and by international treaty.

What is MP3?

MP3, whose official name is “MPEG-1 Audio Layer 3,” is a compression standard prescribed by the ISO, the International Standardization Organization and MPEG which is a joint activity institution of the IEC.

MP3 files contain compressed audio data. MP3 encoding is capable of compressing audio data at extremely high ratios, reducing the size of music files to as much as one-tenth their original size. This is achieved while still maintaining near CD quality. The MP3 format realizes such high compression ratios by eliminating the sounds that are either inaudible to the human ear or masked by other sounds.

What is AAC?

AAC is the abbreviation for “Advanced Audio Coding,” and is a basic format of audio compression used by MPEG2 or MPEG4.

What is WMA?

WMA, or “Windows Media™ Audio,” is compressed audio data. WMA is similar to MP3 audio data and can achieve CD quality sound with small file sizes.

Method for creating MP3/WMA/AAC files

Audio data is compressed by using MP3/WMA/AAC specified software. For details on creating MP3/WMA/AAC files, refer to the user’s manual for that software.

MP3/WMA/AAC file extensions that can be played back on the unit are as follows:

MP3: “mp3”

WMA: “wma” (ver. 7.1, 8, 9, 9.1, 9.2 supported)

AAC: “m4a”

WMA is not supported for the following files, Windows Media Audio Professional, Windows Media Audio 9 Voice or Windows Media Audio 9 Pro Lossless.

Depending on the software that is used to create AAC, the file format may differ from the extension.

Unit playback of AAC files encoded by version 7.7 iTunes is supported.

Supported playback sampling rates and bit rates

MP3

Sampling rates: 48 kHz, 44.1 kHz, 32 kHz, 24 kHz, 22.05 kHz, 16 kHz, 12 kHz, 11.025 kHz, 8 kHz

Bit rates: 16 - 320 kbps

WMA

Sampling rates: 48 kHz, 44.1 kHz, 32 kHz, 24 kHz, 22.05 kHz, 16 kHz

Bit rates: 16 - 320 kbps

AAC

Sampling rates: 48 kHz, 44.1 kHz

Bit rates: 16 - 320 kbps

This device may not play back correctly depending on sampling rates.

ID3 tags/WMA tags

This device supports ID3 tag v1 and v2.2.0, v2.3.0 and WMA tag. The following files do not support compression, coding, grouping or non-synchronization.

If tag data is in an MP3/WMA/AAC file, this device can display the title (track title), artist name, and album name ID3 tag/WMA tag data.

This device can only display single-byte alphanumeric characters and the underscore. For non-supported characters, “No Support” is displayed.

The tag information may not be correctly displayed, depending on the contents.

Playing back MP3/WMA/AAC

MP3/WMA/AAC files are prepared, and then written to USB memory. Or, synchronize an MP3/WMA file using Windows Media Player (Ver. 10 or 11), and then forward to the Portable audio player.

A USB memory device can hold up to 10000 files/1000 folders (including Root Folders). Playback may not be performed if a USB memory / Portable audio player device exceeds the limitations described above.

Media supported

This device can play back USB memory / Portable audio player media.

Corresponding File Systems

This device supports FAT 12/16/32.

Terminology

Bit rate

This is the “sound” compression rate specified for encoding. The higher the bit rate, the higher the sound quality, but also the larger the files.

Sampling rate

This value shows how many times per second the data is sampled (recorded). For example, music CDs use a sampling rate of 44.1 kHz, so the sound is sampled (recorded) 44,100 times per second. The higher the sampling rate, the higher the sound quality, but also the larger the volume of data.

Encoding

Converting music CDs, WAVE (AIFF) files, and other sound files into the specified audio compression format.

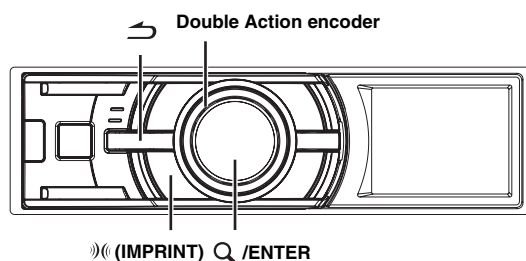
Tag

Song information such as track titles, artist names, album names, etc., written into MP3/WMA/AAC files.

Root folder

The root folder is found at the top of the file system. The root folder contains all folders and files.

Sound Setting



If either an external or IMPRINT audio processor is connected, the Sound Setup screen is not displayed. For an external audio processor, refer to “Audio Setting” (page 22) of “SETUP” (page 19) to adjust the sound. For an IMPRINT audio processor, refer to “IMPRINT Operation (Optional)” (page 23) to adjust the sound.

Adjusting Subwoofer/Bass/Treble/Balance (Between Left and Right)/Fader (Between Front and Rear)/Loudness/Defeat

1 Press **⏮ (IMPRINT)** repeatedly to choose the desired mode.

Each press changes the mode as follows:

Subwoofer*¹ → Bass Level → Treble Level → Balance → Fader → Loudness → Defeat → Volume → Subwoofer

Subwoofer: 00 ~ 15

Bass level: -7 ~ +7

Treble level: -7 ~ +7

Balance: Left15 ~ Right15

Fader: Rear15 ~ Front15

Loudness : ON/OFF

Defeat : ON/OFF

Volume: - ∞ ~ 0 dB

- Loudness introduces a special low and high frequency emphasis at low listening levels. This compensates for the ear's decreased sensitivity to bass and treble sound. The function is inoperable when Defeat is set to ON.
- By setting Defeat ON, previously adjusted setting of Bass, Treble and High Pass Filter will return to the factory defaults.
- If **⏮ (IMPRINT)** is not pressed for 15 seconds after selecting the Subwoofer, Bass, Treble, Balance or Fader mode, the unit automatically returns to normal mode.

*¹ When the subwoofer mode is set to OFF, its level cannot be adjusted.

2 Rotate the **Double Action encoder** until the desired sound is obtained in each mode.

- Depending on the connected devices, some functions do not work.
- You can store the contents of Balance/Fader/Loudness settings after completing. For how to store, refer to “Storing the Audio Adjustment Level (User Preset)” (page 22).

Setting the Bass Control

You can change the Bass Frequency emphasis to create your own tonal preference.

- 1 Press and hold **IMPRINT** for at least 2 seconds.
The Sound Setup screen is displayed.
- 2 Press **Q/ENTER**.
The Bass Adjustment setting mode is activated.

Setting the Bass Center Frequency

- 3 Press **Q/ENTER**.
The F0 setting screen is displayed.
- 4 Press **Q/ENTER**.
- 5 Rotate the **Double Action encoder** to select the desired bass center frequency, and then press **Q/ENTER**.
60 Hz ↔ 80 Hz ↔ 100 Hz ↔ 200 Hz
Emphasizes the displayed bass frequency ranges.
- 6 Press **↵** to return to Bass Adjustment mode.

Setting the Bass Bandwidth

- 3 Rotate the **Double Action encoder** to select “Q”, and then press **Q/ENTER**.
The Q setting screen is displayed.
- 4 Press **Q/ENTER**.
- 5 Rotate the **Double Action encoder** to select the desired bass bandwidth.
1 ↔ 1.25 ↔ 1.5 ↔ 2
Changes the boosted bass bandwidth to wide or narrow. A wider setting will boost a wide range of frequencies above and below the center frequency. A narrower setting will boost only frequencies near the center frequency.
- 6 Press **↵** to return to Bass Adjustment mode.
 - If **↵** is pressed during setting, the unit returns to the previous item.
 - The function is inoperable when Defeat is set to ON.
 - You can adjust the bass level in normal mode. For details, refer to “Adjusting Subwoofer/Bass/Treble/ Balance (Between Left and Right)/Fader (Between Front and Rear)/Loudness/ Defeat” (page 17).
 - After the setting, storing the setting contents on the unit is recommended. For details, refer to “Storing the Audio Adjustment Level (User Preset)” (page 22).
 - The bass level settings will be individually memorized for each source (FM, AM, CD, etc.) until the setting is changed. The bass frequency and bass bandwidth settings adjusted for one source are effective for all other sources (FM, AM, CD, etc.).

Setting the Treble Control

You can change the Treble Frequency emphasis to create your own tonal preference.

- 1 Press and hold **IMPRINT** for at least 2 seconds.
The Sound Setup screen is displayed.
- 2 Rotate the **Double Action encoder** to select the “Treble Adjustment”, and then press **Q/ENTER**.
- 3 Press **Q/ENTER**.
The F0 setting screen is displayed.
- 4 Press **Q/ENTER**.
- 5 Rotate the **Double Action encoder** to select the desired treble center frequency, and then press **Q/ENTER**.
10 kHz ↔ 12.5 kHz ↔ 15 kHz ↔ 17.5 kHz
Emphasizes the displayed treble frequency ranges.
- 6 Press and hold **↵** for at least 2 seconds to return to normal mode.
 - If **↵** is pressed during setting, the unit returns to the previous item.
 - The function is inoperable when Defeat is set to ON.
 - You can adjust the treble level in normal mode. For details, refer to “Adjusting Subwoofer/Bass/Treble/ Balance (Between Left and Right)/Fader (Between Front and Rear)/Loudness/ Defeat” (page 17).
 - After the setting, storing the setting contents on the unit is recommended. For details, refer to “Storing the Audio Adjustment Level (User Preset)” (page 22).

Adjusting the High Pass Filter

The High Pass Filter on this unit can be adjusted to suit your personal taste.

- 1 Press and hold **IMPRINT** for at least 2 seconds. The Sound Setup screen is displayed.
- 2 Rotate the **Double Action encoder** to select “High Pass Filter Adjustment”, and then press **Q/ENTER**.
- 3 Rotate the **Double Action encoder** to select the desired HPF frequency, and then press **Q/ENTER**.
80 Hz ↔ 120 Hz ↔ 160 Hz ↔ off
- 4 Press **↶** to return to normal mode.

- If **↶** is pressed during setting, the unit returns to the previous item.
- The function is inoperable when Defeat is set to ON.
- After setting, storing the setting contents is recommended. For how to store, refer to “Storing the Audio Adjustment Level (User Preset)” (page 22).

Turning Subwoofer ON/OFF

If an optional subwoofer is connected to the unit, make the following setting.

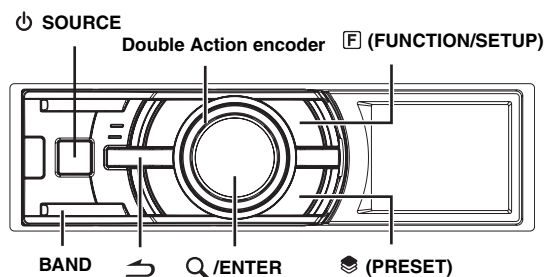
When the subwoofer is on, you can adjust the subwoofer output level (refer to page 17).

- 1 Press and hold **IMPRINT** for at least 2 seconds. The Sound Setup screen is displayed.
- 2 Rotate the **Double Action encoder** to select “Subwoofer”, and then press **Q/ENTER**.
- 3 Rotate the **Double Action encoder** to select **ON/OFF**, and then press **Q/ENTER**.
- 4 Press **↶** to return to normal mode.

- If **↶** is pressed during setting, the unit returns to the previous item.
- You can set the subwoofer output level in normal mode. Refer to “Adjusting Subwoofer/Bass/Treble/ Balance (Between Left and Right)/Fader (Between Front and Rear)/Loudness/ Defeat” (page 17).
- You can set the subwoofer system in **SETUP** mode. Refer to “Setting the Subwoofer (Subwoofer System)” (page 22).

SETUP

Use the **SETUP** menu to flexibly customize the unit to suit your own preferences and usage. Choose settings from General, Display, etc., to make the desired changes.



Follow steps 1 to 5 to choose an item to change. See the individual item descriptions following Step 5 for further details.

- 1 Press and hold **FUNCTION/SETUP** for at least 2 seconds to activate the **SETUP** selection mode.

- 2 Rotate the **Double Action encoder** to select the desired item, and then press **Q/ENTER**.

BLUETOOTH ↔ General ↔ Display ↔ iPod ↔ Audio
(e.g. Select General)

- 3 Rotate the **Double Action encoder** to select a setting item, and then press **Q/ENTER**.
(e.g. Select Beep)

BLUETOOTH:
BLUETOOTH IN

General:

Clock Mode ↔ Clock Adjust*¹ ↔ Calendar Type ↔ Play Mode
↔ Beep ↔ Int Mute ↔ Int Audio ↔ CHG Name*² ↔ AUX IN
↔ AUX+ ↔ AUX Name*³ ↔ AUX+ IN GAIN*⁴ ↔ Power IC ↔
Language ↔ Demo

Display:

Illumination ↔ Dimmer ↔ Dimmer Level ↔ Text Scroll ↔
BGV Select ↔ BGV Color ↔ BGV Download

iPod:

Playlists ↔ Artists ↔ Albums ↔ Podcasts ↔ Audiobooks
↔ Genres ↔ Composers ↔ Songs

Audio*⁵:

User Preset ↔ MX*⁶ ↔ Subwoofer*⁶ ↔ Subwoofer System*⁷
↔ MX Level Adjustment*⁶*⁸

*¹ Refer to “Setting the Time and Calendar” (page 7).

*² The setting can be made only when a changer is connected.

*³ The setting can be made only when AUX IN is set to ON.

*⁴ The setting can be made only when AUX+ is set to ON.

*⁵ If **IMPRINT** audio processor is connected, you can make more detailed settings for the audio setting. For details, refer to “**IMPRINT** Operation (Optional)” (page 23).

*⁶ The adjustment can be made only when an external audio processor is connected. Refer to the Owner’s Manual of the external audio processor.

*⁷ The setting is available only when Subwoofer is set to ON.

*⁸ The setting is available only when MX is set to ON.

4 Rotate the **Double Action encoder** to change the setting, and then press **Q/ENTER**. (e.g. Select Beep On or Beep Off.)

5 Press and hold **↶** for 2 seconds to return to normal mode.

- Pressing **↶** during the procedure will return to the previous mode.
- During setup, if you press in the outer ring and rotate the **Double Action encoder** to the left or right, the setting item selection screen changes page by page. If you press then rotate and hold the **Double Action encoder** to the left or right, the setting item selection screen continuously changes page by page.

BLUETOOTH Setting

Select "BLUETOOTH" from the setup main menu in step 2 above. If an optional BLUETOOTH INTERFACE (KCE-400BT) is connected, you can place a hands-free call by a BLUETOOTH- equipped mobile phone.

Make this setting when the BLUETOOTH INTERFACE is connected and the BLUETOOTH function is used. For details, refer to the Owner's Manual of the optional BLUETOOTH INTERFACE.

- When *Int Mute* is set to *On*, the *BLUETOOTH* setting cannot be made. When the *BLUETOOTH INTERFACE* is connected, set *Int Mute* to *Off*. Refer to "Turning Mute Mode On/Off (Int Mute)" (page 20).

Setting the BLUETOOTH Connection (BLUETOOTH IN) *BLUETOOTH IN Adapter / BLUETOOTH IN Off (Initial Setting)*

General Setting

"General" is selected on the setup main menu in step 2.

Setting the Clock Display (Clock Mode) *24H Type / 12H Type (Initial setting)*

You can select the clock display type, 12-hour or 24-hour, depending on your preference.

Setting of Calendar Display Pattern Switching (Calendar Type) *M/D/Y (Initial setting) / D/M/Y / Y/M/D*

You can switch the calendar display pattern to be shown when the time is displayed.

Y : shows the year
M : shows the month
D : shows the day
ex. M/D/Y → Dec/31/2008

Connecting an MP3 Changer (Play Mode) *CDDA (Initial setting) / CDDA & MP3*

Perform this setting when connecting MP3 changer. MP3 changer can playback CDs containing both CD and MP3 data. However, in some situations (some enhanced CDs), playback may be difficult. For these special cases, you can select playback of CD data only. When a disc contains both CD and the MP3 data, playback starts from the CD data portion of the disc.

CDDA : Only CD data can be played back.
CDDA & MP3 : Both CD data and MP3 file tracks can be played back.

- Change discs after performing this setting.

Sound (Beep) Guide Function *Beep On (Initial setting) / Beep Off*

This function will give audible feedback with varying tones depending upon the button pressed.

Turning Mute Mode On/Off (Int Mute) *Int Mute On (Initial setting) / Int Mute Off*

If a device having the interrupt feature is connected, audio will be automatically muted whenever the interrupt signal is received from the device.

- When *BLUETOOTH* is set to *Adapter*, *Int Mute* cannot be set. Refer to "Setting the BLUETOOTH Connection (BLUETOOTH IN)" (page 20).
- When the *BLUETOOTH INTERFACE* is connected, set *Int Mute* to *Off*.

Setting Tone Defeat for External Devices (Int Audio) *Int Audio On / Int Audio Off (Initial setting)*

When inputting external devices to this unit, turning tone defeat on will bypass Bass Frequency, Treble Frequency, High Pass Filter, i.e., sound for external devices is output at the default setting.

Setting the Changer Name (CHG Name) *CHG (Initial setting) / PMD*

When an optional changer is connected, you can set the displayed mode name.

- The setting can be made only when a changer is connected. When two changers are connected, the *CHG1 Name/CHG2 Name* is displayed, and the setting can be made respectively.

Setting the AUX Mode (V-Link) *AUX IN On / AUX IN Off (Initial setting)*

You can input TV/video sound by connecting an optional Versatile Link Terminal (KCA-410C) to this component.

You can change the AUX name display when AUX IN is set to On. When AUX IN is set to On, select the "AUX Name" mode by rotating the **Double Action encoder**, then press **Q/ENTER**.

After that, rotate the **Double Action encoder** to select the desired AUX name, then press **Q/ENTER**.

If the KCA-410C is connected, it is possible to select two AUX names.

- Via KCA-410C, up to 2 external devices with RCA output can be connected. In this case, press **⏻ SOURCE** to select AUX mode and then press **BAND** to select your desired device.

Setting the AUX+ Mode *AUX+ On / AUX+ Off (Initial setting)*

You can input the audio of an external device, (such as a Portable audio player) to the BLUETOOTH interface connector of this unit. A special Conversion cable (KCE-237B) is necessary to adapt the BLUETOOTH interface connector as an AUX IN.

- AUX+ On : Set to On when an external device is connected. If **⏻ SOURCE** is pressed and Auxiliary+ is selected, the sound of the external device is input to the unit.
- AUX+ Off : Set to Off when a BLUETOOTH INTERFACE is connected.

AUX+ Audio Level Adjustment (AUX+ IN GAIN) *High (Initial setting) / Low*

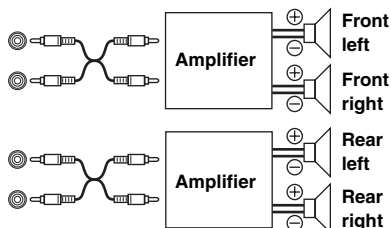
- Low: Decreases the external input audio level.
High: Increases the external input audio level.

Connecting to an External Amplifier (Power IC)

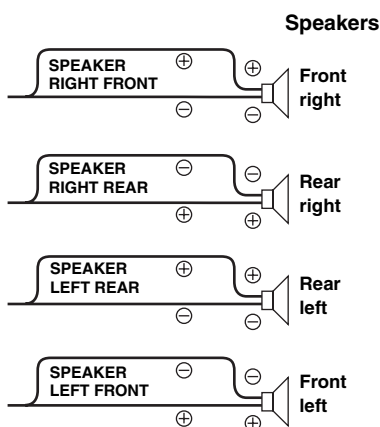
Power IC On (Initial setting) / Power IC Off

When an external amplifier is connected, sound quality can be improved by stopping the power supply of the built-in amplifier.

Power IC Off : Use this mode when the front and rear pre-amplifiers of the unit are used to drive an external amplifier connected to the speakers. In this setting, the head unit's internal amplifier has no output to drive speakers.



Power IC On : The speakers are driven by the built-in amplifier.



- No sound is produced by the system when the power output is set to OFF.

Setting the Language (Language)

For US / For EU1 / For EU2 / For Japan / Other (Initial setting)

Set the language to be displayed on the unit. Set to "Other" to use the setting.

For US :	English, French, Spanish
For EU1 :	Russian, English
For EU2 :	English, German, French, Spanish, Italian, Swedish, Portuguese
For Japan :	Japanese, English
Other :	Chinese (Chinese standard), English

Demonstration (Demo)

Demo On / Demo Off (Initial setting)

This unit has a Demonstration feature for the display.

- To quit Demo mode, set to Demo Off.

Display Setting

"Display" is selected on the setup main menu in step 2.

Changing Lighting Color (Illumination)

Illumination Blue (Initial setting) / Illumination Red

You can change the lighting color of the buttons.

Dimmer Control (Dimmer)

Dimmer On / Dimmer Off (Initial setting)

Set the Dimmer control to On to decrease the illumination brightness of the unit with the head lights of the vehicle ON. This mode is useful if you feel the unit's backlighting is too bright at night.

Setting the Display Dimmer (Dimmer Level)

Dimmer Level1 (Initial setting) / Level2 / Level3

In the display Dimmer On setting, three levels are available, the highest level (Level3) being the dimmest when the car headlights are on.

Scroll Setting (Text Scroll)

Text Scroll Type1 / Type2 / Off (Initial setting)

You can set a scroll type such as song title or file name on the source screen. If the search mode screen displays fills with text, the display scrolls.

Also, you can select the desired scroll type.

Type1/Type2 :	Text information are scrolled automatically.
Off :	The first display scrolls text information one time only.

- In parts of the display, scrolling may not occur, or scroll content may differ.
- Regardless of this setting, if the display is filled with text, the display scrolls.

Switching the Display Type (BGV Select)

BGV Select Type 1 (Initial setting) / Type 2 / Type 3 / User

You can select your favorite display for background from 3 types.

To display downloaded data on the unit, select User. Refer to "Downloading the Wallpaper (BGV Download)" (page 22).

Setting the Wallpaper Color (BGV Color)

BGV Color Type 1 (Initial setting) / Type2

You can select the background color of the display between two types.

Type1 :	Blue
Type2 :	Red

Downloading the Wallpaper (BGV Download)

Wallpapers are downloaded only when in USB memory mode. Wallpaper data is available at a web site designed for Alpine product Owners. Download the wallpaper to your USB flash memory. Upload the Wallpaper from the flash memory to your unit. To start the download, access the URL below and follow the on-screens instructions.
<https://i-personalize.alpine.com/>

1 Rotate the Double Action encoder to select “BGV Download”, and press **Q/ENTER**.

Data in the USB memory is searched and maximum 10 files are displayed.

2 Rotate the Double Action encoder to select a file, and press **Q/ENTER**.

The selected file is downloaded to the unit.

- The downloaded data extension is “apn”.
- You cannot display your own wallpaper you made.
- To display the wallpaper you have downloaded to the unit, select User in “Switching the Display Type (BGV Select)” (page 21).

iPod/iPhone Setting

“iPod” is selected on the setup main menu in step 2.

iPod/iPhone Search Mode Setting

On / Off

The unit allows you to search for the iPod/iPhone using eight different search modes.

When the search mode is in Playlists/Artists/Albums/Podcasts/Audiobooks, the initial setting is On, and when the search mode is in Genre/Composers/Songs, the initial setting is Off.

- For search mode details, refer to “Searching for a desired Song/Title” (page 10).

Audio Setting

“Audio” is selected on the setup menu in step 2.

- If IMPRINT audio processor is connected, you can make more detailed settings for the audio setting. For details, refer to “IMPRINT Operation (Optional)” (page 23).

Storing the Audio Adjustment Level (User Preset)

You can store up to 6 adjusted/set contents on this unit.

All of the following adjusted/set items are stored in a preset memory.

Items to be adjusted/set	Reference page
Balance adjustment	page 17
Fader adjustment	page 17
Loudness setting	page 17
Setting the Bass Center Frequency	page 18
Setting the Treble Center Frequency	page 18
Setting the HPF	page 19

1 Rotate the Double Action encoder to select “User Preset”, and then press **Q/ENTER**.

The User Preset screen is displayed.

2 Rotate the Double Action encoder to select a preset number, and press and hold **Q/ENTER** for at least 2 seconds.

Adjusted/set contents are stored in the selected preset number.

- The User Preset screen can also be recalled in normal mode by pressing and holding **PRESET** for at least 2 seconds.

Recalling the Audio Adjustment Level

You can recall the contents stored in “Storing the Audio Adjustment Level (User Preset)” (page 22).

1 Rotate the Double Action encoder to select “User Preset”, and then press **Q/ENTER**.

The User Preset screen is displayed.

2 Rotate the Double Action encoder to select a preset number, and press **Q/ENTER**.

Adjusted/set contents of the selected number are recalled.

- The User Preset screen can also be recalled in normal mode by pressing and holding **PRESET** for at least 2 seconds.

Turning Media Xpander ON/OFF (MX)

MX On / MX Off (Initial Setting)

When the Media Xpander is on, and external audio processor is connected, you can adjust the Media Xpander level (For details, refer to external audio processor's Owner's manual).

- Displayed only when external audio processor is connected.

Setting the MX Level (MX Level Adjustment)

Non Effect / Level 1 / Level 2 / Level 3 (Initial Setting)

MX (Media Xpander) makes vocals or instruments sound distinct regardless of the music source. The FM radio, CD, USB memory and iPod/iPhone, will be able to reproduce the music clearly even in cars with a lot of road noise.

- Displayed only when external audio processor is connected, and MX is set to ON.

Subwoofer On and Off (Subwoofer)

Subwoofer On (Initial setting) / Subwoofer Off

If an optional subwoofer is connected to the unit, make the following setting.

- Displayed only when external audio processor is connected.

Setting the Subwoofer (Subwoofer System)

Sys 1 (Initial Setting) / Sys 2

The setting is available only when “Turning Subwoofer ON/OFF” (page 19) is set to On.

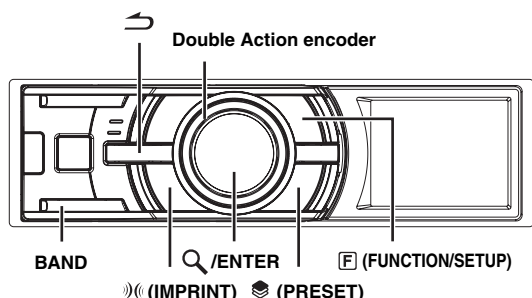
Sys 1 : Subwoofer level changes according to the main volume setting.

Sys 2 : Subwoofer level change is different from the main volume setting. For example, even at low volume settings, the subwoofer is still audible.

IMPRINT Operation (Optional)

Alpine introduces IMPRINT - the world's first technology that thoroughly eliminates in-car acoustic problems that normally degrade sound quality, which enables us to experience music the way the artist intended.

When the IMPRINT audio processor (PXA-H100) (sold separately) is connected to this unit, MultEQ and the following sound adjustment can be performed.



Changing MultEQ mode

MultEQ, developed by Audyssey Labs, automatically corrects the audio for the listening environment. The system is optimized for selected positions in the vehicle. To accomplish this, MultEQ must take measurements of the vehicle's response characteristics. For details on the set up procedure, consult your authorized Alpine dealer.

- 1 Press and hold **IMPRINT** for at least 2 seconds.
- 2 Press **Q/ENTER**.
- 3 Rotate the **Double Action encoder** to select the **MultEQ mode**, and then press **Q/ENTER**.
Curve 1 (MultEQ-1) ↔ Curve 2 (MultEQ-2) ↔ OFF (Manual Mode)
- 4 Press and hold **↵** for at least 2 seconds to return to normal mode.

- The Curve mode can be selected only when curve 1 and curve 2 are stored.
- When MultEQ is set to ON, MX, Factory's EQ, Parametric EQ, Graphic EQ, X-Over, Time Correction, Subwoofer System, Tweeter, EQ Mode, Filter Type, Time Correction Parameter and MX Level Adjustment are set automatically. They are no longer user adjustable.

Adjusting Sound Setting in Manual Mode

The sound settings can be modified to create your own preference when the MultEQ mode is off (Manual Mode).

The changes made in manual mode can be stored into a preset. Refer to "Storing and Recalling the Adjusted Contents" (page 27).

Use steps 1 to 5 to select one of the Sound menu modes to modify. See the applicable section below for details about the selected item.

- 1 Press and hold **F (FUNCTION/SETUP)** for at least 2 seconds to activate the **SETUP** selection mode.
- 2 Rotate the **Double Action encoder** to select **"Audio"**, and then press **Q/ENTER**.
BLUETOOTH ↔ General ↔ Display ↔ iPod ↔ Tuner ↔ Audio
- 3 Rotate the **Double Action encoder** to select the desired item, and then press **Q/ENTER**.

User Preset/MX/Factory's EQ/Sound Field Adjustment^{*4}/Subwoofer/Subwoofer System^{*1}/Subwoofer Phase^{*1}/Subwoofer Channel^{*1}/Tweeter^{*2}/EQ Mode/Filter Type/Time Correction Parameter/MX Level Adjustment^{*3}
(e. g. Select MX)

^{*1} These functions are inoperable when Subwoofer is set to OFF.

^{*2} This function can be operable only when PXA-H100 (sold separately) is connected and X-OVER switch is set to 3WAY mode. For details, refer to the Owner's Manual of PXA-H100.

^{*3} This function is inoperable when MX is set to OFF.

^{*4} In step 3, three sound adjustment items (Parametric EQ/Graphic EQ, Time Correction, X-Over) can be selected in Sound Field Adjustment mode, rotate the **Double Action encoder** to select the desired item, and then press **Q/ENTER** to continue to step 4.

- 4 Rotate the **Double Action encoder** to change the setting, and then press **Q/ENTER**.
(e.g. Select MX On or MX Off)
- 5 Press and hold **↵** for at least 2 seconds to return to normal mode.

- User Preset, Media Xpander, Factory's EQ, Parametric EQ/Graphic EQ Adjustment, EQ Mode and MX Level Adjustment are inoperable when Defeat is set to ON.
- Pressing **↵** returns to the previous Sound menu mode.
- During setup, if you press in the outer ring and rotate the **Double Action encoder** to the left or right, the setting item selection screen changes page by page. If you press then rotate and hold the **Double Action encoder** to the left or right, the setting item selection screen continuously changes page by page.

Turning Media Xpander ON/OFF (MX)

On / Off (Initial setting)

When the Media Xpander is on, you can adjust the Media Xpander level (refer to page 24).

- The function is inoperable when Defeat is set to ON.

Setting the MX Level

MX (Media Xpander) makes vocals or instruments sound distinct regardless of the music source. The FM radio, CD, USB memory and iPod/iPhone, will be able to reproduce the music clearly even in cars with a lot of road noise.

Changing the source to which you want to apply Media Xpander.

FM (Level 1 to 3, Non Effect):

The medium to high frequencies become clearer, and produces well balanced sound at all frequencies.

CD (Level 1 to 3, Non Effect):

CD mode processes a large amount of data during playback. MX takes advantage of this large data quantity to reproduce a more clear, clean output.

MP3/WMA/AAC/iPod/BLUETOOTH Audio (Level 1 to 3, Non Effect):

This corrects information that was lost at the time of compression. This reproduces a well-balanced sound close to the original.

DVD (Video CD)

(Level 1 to 2 (MOVIE), Non Effect):

The dialogue portion of a video is reproduced more clearly.

(Level 3 (MUSIC), Non Effect):

A DVD or Video CD contains a large quantity of data such as music clip. MX uses this data to reproduce the sound accurately.

AUX (Level 1 (MP3/WMA/AAC/iPod/BLUETOOTH Audio), Level 2 (MOVIE), Level 3 (MUSIC), Non Effect):

Choose the MX mode that corresponds to the media connected. If two external devices are connected, a different MX mode for each media can be selected.

- To cancel MX mode for all music sources, set MX to Off in step 4.
- Each music source, such as FM radio, CD, and MP3/WMA/AAC can have its own MX setting.
- When the source changes from "MP3/WMA/AAC to CD-DA" or "CD-DA to MP3/WMA/AAC", MX-mode switching may delay playback slightly.
- Setting to MX Off sets MX mode of each music source to Off.
- There is no MX mode for AM radio.
- The function is inoperable when Defeat is set to ON.

Equalizer Presets (Factory's EQ)

Flat / Pops / Rock / News / Jazz&Blues / Electric Dance / Hip Hop&Rap / Easy Listening / Country / Classical / User 1~6*

10 typical equalizer settings are preset at the factory for a variety of musical source material.

* By selecting User's 1 to 6, you can recall the stored EQ Adjustment value in "Storing and Recalling the Adjusted Contents" (page 27).

- The function is inoperable when Defeat is set to ON.

Turning Subwoofer ON/OFF

Subwoofer On (Initial setting) / Subwoofer Off

If an optional subwoofer is connected to the unit, make the following setting.

When the subwoofer is on, you can adjust the subwoofer output level (refer to page 17).

Setting the Subwoofer System

Sys 1 (Initial setting) / Sys 2

When the subwoofer is on, you can select either Sys 1 or Sys 2 for the desired subwoofer effect.

- Sys 1 : Subwoofer level changes according to the main volume setting.
- Sys 2 : Subwoofer level change is different from the main volume setting. For example, even at low volume settings, the subwoofer is still audible.

Setting the Subwoofer Phase

Normal (Initial setting) / Reverse

The subwoofer output phase is toggled Subwoofer Normal (0°) or Subwoofer Reverse (180°).

Setting the Subwoofer Channel

Stereo (Initial setting) / Mono

You can set the subwoofer output to stereo or monaural. Make sure to set the correct output for your subwoofer type.

- Stereo: Subwoofer stereo (L/R) output
- Mono: Subwoofer monaural output

Setting the Response Slope for the High Range Speaker (Tweeter)

Maker's (Initial setting) / User's

Depending on the response characteristics of the speaker, care should be taken when setting the response slope of the high range speaker to 0 dB/oct in 3WAY mode (see "Adjusting the Crossover Settings" on page 26), as speaker damage may result.

- Maker's: As protection from possible speaker damage, 0 dB/oct cannot be set for the response slope of the high range speaker in 3WAY mode.
- User's: The 0 dB/oct setting is possible in 3WAY mode.

- You can set to Tweeter only when the system switch on the IMPRINT audio processor (PXA-H100) is set to 3WAY.

Setting EQ mode

Graphic / Parametric (Initial setting)

This setting gives you a choice of 5-band parametric, or 7-band graphic equalizer.

- The function is inoperable when Defeat is set to ON.

Setting the Filter type

Normal (Initial setting) / Individual

If you adjust X-OVER, you can set the channel L and R at the same level, or independently.

Normal (L=R):	Left and right speakers are adjusted equally.
Individual (L/R):	Left and right speakers are individually adjusted.

Setting the Time Correction Unit

cm (Initial setting) / inch

You can change the unit, (cm or inch) of time correction.

Sound Field Adjustment

The setting of Parametric EQ/Graphic EQ Adjustment, Time Correction and X-Over can be adjusted in this mode.

Adjusting the Parametric Equalizer Curve

Sound Field Adjustment → EQ Adjustment

You can modify the Equalizer settings to create a response curve more appealing to your personal taste. To adjust the Parametric Equalizer Curve, set the EQ mode to Parametric EQ. For details, refer to "Setting EQ mode" (page 24).

1 Rotate the Double Action encoder to select "EQ Adjustment" in the Sound Field adjustment mode, and then press \mathcal{Q} /ENTER.

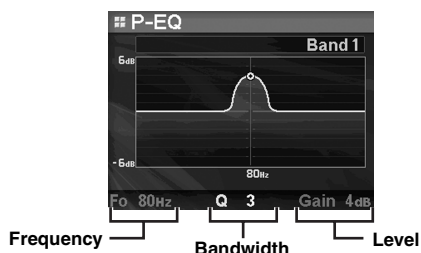
2 Rotate the Double Action encoder to select the Band, and then press \mathcal{Q} /ENTER.

If a band is selected, each band adjustment screen is displayed.

Band 1 / Band 2 / Band 3 / Band 4 / Band 5

3 Rotate the Double Action encoder to adjust the frequency/band width/level.

The item currently being adjusted lights up.



4 If \mathcal{Q} /ENTER is pressed, the adjusted value is set, and operation moves to the next item to be adjusted.

5 When the selected band settings are complete, press BAND.

The next band adjustment screen is displayed.

6 Repeat steps 3 to 5, and adjust each band.

■ Frequency Adjustment (Fo)

Adjustable frequency bands:
20 Hz to 20 kHz (in 1/3 octave steps)

Band1: 20 Hz~80 Hz (63 Hz)
Band2: 50 Hz~200 Hz (150 Hz)
Band3: 125 Hz~3.2 kHz (400 Hz)
Band4: 315 Hz~8 kHz (1 kHz)
Band5: 800 Hz~20 kHz (2.5 kHz)

■ Bandwidth Adjustment (Q)

Adjustable bandwidth: 1, 1.5, 3

■ Level Adjustment (Gain)

Adjustable level: -6 to +6 dB

- The frequencies of adjacent bands cannot be adjusted within 4 steps.
- While adjusting the Parametric EQ, you should consider the frequency response of the connected speakers.
- During adjustment, if you press in the outer ring and rotate the **Double Action encoder** to the left or right, the band changes, and you can adjust the adjacent band. If you press then rotate and hold the **Double Action encoder** to the left or right, the band continuously changes.
- The function is inoperable when Defeat is set to ON.

Adjusting the Graphic Equalizer Curve

Sound Field Adjustment → EQ Adjustment

You can modify the equalizer settings to create a response curve more appealing to your personal taste. To adjust the graphic equalizer curve, set the EQ mode to Graphic EQ. For details, refer to "Setting EQ mode" (page 24).

1 Rotate the Double Action encoder to select "EQ Adjustment" in the Sound Field adjustment mode, and then press \mathcal{Q} /ENTER.

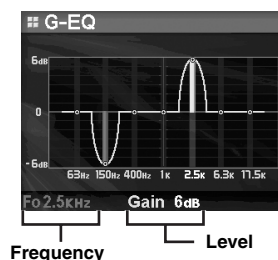
2 Rotate the Double Action encoder to select the Band, and then press \mathcal{Q} /ENTER.

If a band is selected, the screen to be adjusted is displayed.

Band 1 / Band 2 / Band 3 / Band 4 / Band 5 / Band 6 / Band 7

3 Rotate the Double Action encoder to adjust the level, and then press \mathcal{Q} /ENTER.

The level is selected, and the frequency selection mode is activated.



4 Rotate the Double Action encoder to select the Frequency, and then press \mathcal{Q} /ENTER.

The frequency is selected, and the level adjustment mode is activated. The selected frequency is displayed in yellow.

5 When the selected band settings are complete, press BAND.

The next band adjustment screen is displayed.

6 Repeat steps 3 to 5, and adjust each band level.

■ Frequency Adjustment (Fo)

Band1 (63 Hz) / Band2 (150 Hz) / Band3 (400 Hz) /
Band4 (1 kHz) / Band5 (2.5 kHz) / Band6 (6.3 kHz) /
Band7 (17.5 kHz)

■ Level Adjustment (Gain)

Adjustable output level: -6 to +6 dB

- During adjustment, if you press in the outer ring and rotate the **Double Action encoder** to the left or right, the band changes, and you can adjust the adjacent band. If you press then rotate and hold the **Double Action encoder** to the left or right, the band continuously changes.
- The function is inoperable when Defeat is set to ON.

Adjusting the Time Correction

Sound Field Adjustment → Time Correction

Before performing the following procedures, refer to “About Time Correction” (page 28).

- 1 Rotate the **Double Action encoder** to select “Time Correction” in the Sound Field adjustment mode, and then press **Q/ENTER**.

Depending on the X-OVER switch setting on the IMPRINT audio processor (PXA-H100), the speaker to be adjusted differs.

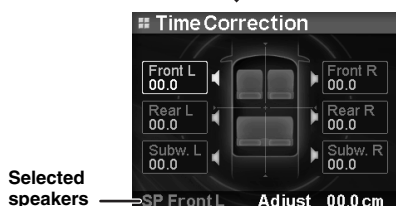
3WAY System

High L / High R / Mid L / Mid R / Low L / Low R

F/R/SUBW. System

Front L / Front R / Rear L / Rear R / Subw. L / Subw. R

- 2 Rotate the **Double Action encoder** to select the speaker, and press **Q/ENTER**.



- 3 Rotate the **Double Action encoder** to set to the distance of each speaker.

0.0 cm~336.6 cm (0.0 inch~132.7 inch)

- 4 If **Q/ENTER** is pressed, the adjustment value is set, and the speaker selection mode is activated.

- 5 Repeat steps 2 to 4, and set the all speakers.

- During adjustment, if you press in the outer ring and rotate the **Double Action encoder** to the left or right, the speaker changes, and you can adjust the adjacent speaker. If you press then rotate and hold the **Double Action encoder** to the left or right, the speaker continuously changes.

You can also change the speaker by pressing **BAND**.

Adjusting the Crossover Settings

Sound Field Adjustment → X-Over

Before performing the following procedures, refer to “About the Crossover” (page 29).

- 1 Rotate the **Double Action encoder** to select “X-Over” in the Sound Field adjustment mode, and then press **Q/ENTER**.

- 2 Rotate the **Double Action encoder** to select the band, and then press **Q/ENTER**.

If a band is selected, each band screen to be adjusted is displayed.

3WAY System / Normal (L=R)

Setting items:

Low/Mid-Low/Mid-High/High

3WAY System / Individual (L/R)

Setting items:

Low L/Low R/Mid-Low L/Mid-Low R/Mid-High L/
Mid-High R/High L/High R

F/R/SUBW. System / Normal (L=R)

Setting items:

Subw./Rear/Front

F/R/SUBW. System / Individual (L/R)

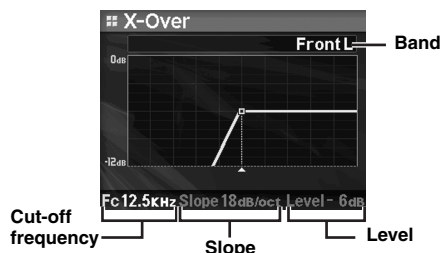
Setting items:

Subw. L/Subw. R/Rear L/Rear R/Front L/Front R

- Depending on the current system, selectable band content differs. Refer to “Setting the Filter type” (page 25) and the setting of the X-OVER switch on the IMPRINT audio processor (PXA-H100).

- 3 Rotate the **Double Action encoder** to adjust the frequency/slope/level.

The currently adjusted item lights up.



- 4 The adjustment content is selected by pressing **Q/ENTER**, and operation shifts to a next adjustment item.

- 5 When the selected band settings are complete, press **BAND**.

The next band adjustment screen is displayed.

- 6 Set all bands by repeating steps 3 to 5.

■ Cut-off frequency (Fc)

Adjustable frequency bands:

3WAY System

Setting items:

Low/Mid-Low L	20 Hz~200 Hz
Mid-High	20 Hz~20 kHz
High	(1 kHz~20 kHz)* ¹ /(20 Hz~20 kHz)* ²

*¹ When Maker's is selected. Refer to "Setting the Response Slope for the High Range Speaker (Tweeter)" (page 24).

*² When User's is selected. Refer to "Setting the Response Slope for the High Range Speaker (Tweeter)" (page 24).

F/R/SUBW. System

Setting items:

20 Hz~200 Hz

■ Slope Adjustment

Adjustable slope: 0/6/12/18/24 dB/oct

* 0 dB/oct can be set for the High slope only when User's is selected in "Setting the Response Slope for the High Range Speaker (Tweeter)" (page 24). Depending on the response characteristics of the speaker, care should be taken when setting the response slope to 0 dB/oct., as speaker damage may result. With this unit, a message is displayed when the response slope for the high range speaker is set to 0 dB/oct.

■ Level Adjustment

Adjustable output level: -12 to 0 dB.

- While adjusting the X-Over, you should consider the frequency response of the connected speakers.
- During adjustment, if you press in the outer ring and rotate the **Double Action encoder** to the left or right, the band changes, and you can adjust the adjacent band. If you press then rotate and hold the **Double Action encoder** to the left or right, the band continuously changes.
- **About the F/R/SUBW. / 3WAY system**
You can switch to F/R/SUBW. / 3WAY system mode with the X-OVER switch on the PXA-H100. For details, refer to the Owner's Manual of PXA-H100.

Storing and Recalling the Adjusted Contents


User 1 / User 2 / User 3 / User 4 / User 5 / User 6

The contents of all adjusted items (in manual mode) can be stored together into a preset. Up to 6 presets can be used.

■ Storing the Adjusted Contents

1 Rotate the Double Action encoder to select "User Preset", and then press /ENTER.

The User Preset screen is displayed.

2 Rotate the Double Action encoder to select a preset number, and then press and hold /ENTER for at least 2 seconds.

Adjusted/set contents are stored in the selected preset number.

■ Recall the adjusted contents


The stored contents can be recalled in "Storing the Adjusted Contents" (page 27).

1 Rotate the Double Action encoder to select "User Preset", and then press /ENTER.

The User Preset screen is displayed.

2 Rotate the Double Action encoder to select a preset number, and then press /ENTER.

Adjusted/set contents of the selected preset number are recalled.

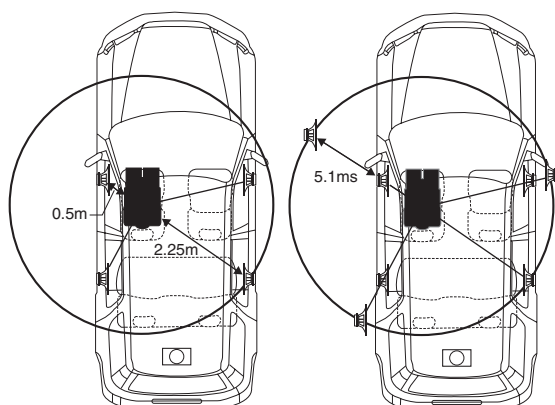
- The User Preset screen can be recalled in the normal mode by pressing and holding  (PRESET) for 2 seconds.
- The stored contents are not deleted even when resetting the unit or disconnecting the battery.
- The function is inoperable when Defeat is set to ON.

About Time Correction

The distance between the listener and the speakers in a car vary widely due to the complex speaker placement. This difference in the distances from the speakers to the listener creates a shift in the sounds image and frequency characteristics. This is caused by the time delay between the sound reaching the listener's right versus the left ear. To correct this, this unit is able to delay the audio signal to the speakers closest to the listener. This effectively creates a perception of increased distance for those speakers. The listener can be placed at an equal distance between the left and right speakers for optimum staging. The adjustment will be made for each speaker in 3.4cm steps.

Example 1. Listening Position: Front Left Seat

Adjust the time correction level of the front left speaker to a high value and the rear right to zero or a low value.



The sound is not balanced because the distance between the listening position and the various speakers is different. The difference in distance between the front left speaker and the rear right speaker is 1.75 m (68-7/8"). Here we calculate the time correction value for the front left speaker in the diagram on the above.

Conditions:

Farthest Speaker – listening position : 2.25 m (88-9/16")

Front left speaker – listening position : 0.5 m (19-11/16")

Calculation: $L = 2.25 \text{ m} - 0.5 \text{ m} = 1.75 \text{ m (68-7/8")}$

Time correction = $1.75 \div 343^{*1} \times 1000 = 5.1 \text{ (ms)}$

**1 Speed of sound: 343 m/s (765 mph) at 20°C*

In other words, giving the front left speaker a time correction value of 5.1 ms makes it seem as if its distance from the listener is the same as the distance to the farthest speaker.

Time correction eliminates the differences in the time required for the sound to reach the listening position.

The time of the front left speaker is corrected by 5.1 ms so that its sound reaches the listening position at the same time as the sound of other speakers.

Example 2. Listening Position: All Seats

Adjust the time correction level of each speaker to almost the same level.

- 1 Sit in the listening position (driver's seat, etc.) and measure the distance (in meters) between your head and the various speakers.
- 2 Calculate the difference between the distance correction value to the farthest speaker and the other speakers.

$L = (\text{distance to farthest speaker}) - (\text{distance to other speakers})$

These values are the time correction values for the different speakers. Setting these values to make each sound reach the listening position at the same time as the sound of other speakers.

Time Correction Value List

Delay Number	Time Difference (ms)	Distance (cm)	Distance (inch)	Delay Number	Time Difference (ms)	Distance (cm)	Distance (inch)
0	0.0	0.0	0.0	51	5.1	173.4	68.3
1	0.1	3.4	1.3	52	5.2	176.8	69.7
2	0.2	6.8	2.7	53	5.3	180.2	71.0
3	0.3	10.2	4.0	54	5.4	183.6	72.4
4	0.4	13.6	5.4	55	5.5	187.0	73.7
5	0.5	17.0	6.7	56	5.6	190.4	75.0
6	0.6	20.4	8.0	57	5.7	193.8	76.4
7	0.7	23.8	9.4	58	5.8	197.2	77.7
8	0.8	27.2	10.7	59	5.9	200.6	79.1
9	0.9	30.6	12.1	60	6.0	204.0	80.4
10	1.0	34.0	13.4	61	6.1	207.4	81.7
11	1.1	37.4	14.7	62	6.2	210.8	83.1
12	1.2	40.8	16.1	63	6.3	214.2	84.4
13	1.3	44.2	17.4	64	6.4	217.6	85.8
14	1.4	47.6	18.8	65	6.5	221.0	87.1
15	1.5	51.0	20.1	66	6.6	224.4	88.4
16	1.6	54.4	21.4	67	6.7	227.8	89.8
17	1.7	57.8	22.8	68	6.8	231.2	91.1
18	1.8	61.2	24.1	69	6.9	234.6	92.5
19	1.9	64.6	25.5	70	7.0	238.0	93.8
20	2.0	68.0	26.8	71	7.1	241.4	95.1
21	2.1	71.4	28.1	72	7.2	244.8	96.5
22	2.2	74.8	29.5	73	7.3	248.2	97.8
23	2.3	78.2	30.8	74	7.4	251.6	99.2
24	2.4	81.6	32.2	75	7.5	255.0	100.5
25	2.5	85.0	33.5	76	7.6	258.4	101.8
26	2.6	88.4	34.8	77	7.7	261.8	103.2
27	2.7	91.8	36.2	78	7.8	265.2	104.5
28	2.8	95.2	37.5	79	7.9	268.6	105.9
29	2.9	98.6	38.9	80	8.0	272.0	107.2
30	3.0	102.0	40.2	81	8.1	275.4	108.5
31	3.1	105.4	41.5	82	8.2	278.8	109.9
32	3.2	108.8	42.9	83	8.3	282.2	111.2
33	3.3	112.2	44.2	84	8.4	285.6	112.6
34	3.4	115.6	45.6	85	8.5	289.0	113.9
35	3.5	119.0	46.9	86	8.6	292.4	115.2
36	3.6	122.4	48.2	87	8.7	295.8	116.6
37	3.7	125.8	49.6	88	8.8	299.2	117.9
38	3.8	129.2	50.9	89	8.9	302.6	119.3
39	3.9	132.6	52.3	90	9.0	306.0	120.6
40	4.0	136.0	53.6	91	9.1	309.4	121.9
41	4.1	139.4	54.9	92	9.2	312.8	123.3
42	4.2	142.8	56.3	93	9.3	316.2	124.6
43	4.3	146.2	57.6	94	9.4	319.6	126.0
44	4.4	149.6	59.0	95	9.5	323.0	127.3
45	4.5	153.0	60.3	96	9.6	326.4	128.6
46	4.6	156.4	61.6	97	9.7	329.8	130.0
47	4.7	159.8	63.0	98	9.8	333.2	131.3
48	4.8	163.2	64.3	99	9.9	336.6	132.7
49	4.9	166.6	65.7				
50	5.0	170.0	67.0				

About the Crossover

Crossover (X-OVER):

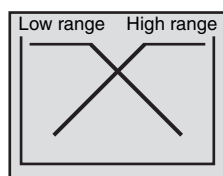
This unit is equipped with an active crossover. The crossover limits the frequencies delivered to the outputs. Each channel is controlled independently. Thus, each speaker pair can be driven by the frequencies for which they have been optimally designed.

The crossover adjusts the HPF (high pass filter) or LPF (low pass filter) of each band, and also the slope (how fast the filter rolls off the highs or lows).

Adjustments should be made according to the reproduction characteristics of the speakers. Depending on the speakers, a passive network may not be necessary. If you are unsure about this point, please consult your authorized Alpine dealer.

F/R/SUBW. mode

	Cut-off frequency (1/3 octave steps)		Slope		Level
	HPF	LPF	HPF	LPF	
Low range speaker	----	20 Hz - 200 Hz	----	FLAT, 6, 12, 18, 24 dB/oct.	0 to -12 dB
Rear high range speaker	20 Hz - 200 Hz	----	FLAT, 6, 12, 18, 24 dB/oct.	----	0 to -12 dB
Front high range speaker	20 Hz - 200 Hz	----	FLAT, 6, 12, 18, 24 dB/oct.	----	0 to -12 dB

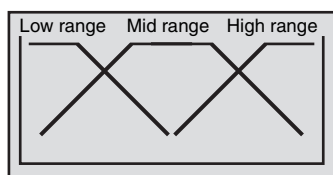


(Different from actual display)

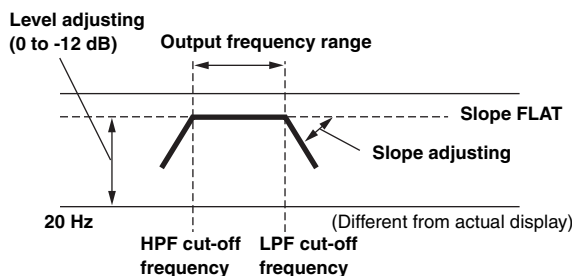
3WAY mode

	Cut-off frequency (1/3 octave steps)		Slope		Level
	HPF	LPF	HPF	LPF	
Low range speaker	----	20 Hz - 200 Hz	----	FLAT, 6, 12, 18, 24 dB/oct.	0 to -12 dB
Mid range speaker	20 Hz - 200 Hz	20 Hz - 20 kHz	FLAT, 6, 12, 18, 24 dB/oct.	FLAT, 6, 12, 18, 24 dB/oct.	0 to -12 dB
High range speaker	1 kHz - 20 kHz, (20 Hz ~ 20 kHz)*	----	FLAT*, 6, 12, 18, 24 dB/oct.	----	0 to -12 dB

* Only when selecting User's in "Setting the Response Slope for the High Range Speaker (Tweeter)" (page 24).



(Different from actual display)



- **HPF (high pass filter):** Cuts the lower frequencies and allows the higher frequencies to pass.
- **LPF (low pass filter):** Cuts the higher frequencies and allows the lower frequencies to pass.
- **Slope:** The level change (in dB) for a frequency change of one octave.
- The higher the slope value, the steeper the slope becomes.
- Adjust the slope to FLAT (0 dB/oct.) to bypass the HP or LP filters.
- Do not use a tweeter without the HPF on or set to a low frequency, as it may cause damage to the speaker due to the low frequency content.
- You cannot adjust the crossover frequency higher than the HPF or lower than the LPF.
- Adjustment should be made according to the recommended crossover frequency of the connected speakers. Determine the recommended crossover frequency of the speakers. Adjusting to a frequency range outside that recommended may cause damage to the speakers. For the recommended crossover frequencies of Alpine speakers, refer to the respective Owner's Manual.

We are not responsible for damage or malfunction of speakers caused by using the crossover outside the recommended value.

Information

In Case of Difficulty

If you encounter a problem, please turn the power off, then on again. If the unit is still not functioning normally, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.

Basic

No function or display.

- Vehicle's ignition is off.
 - If connected following instructions, the unit will not operate with the vehicle's ignition off.
- Improper power lead (Red) and battery lead (Yellow) connections.
 - Check power lead and battery lead connections.
- Blown fuse.
 - Check the fuse of the unit; replace with the proper value if necessary.
- Internal micro-computer malfunctioned due to interference noise etc.
 - Press the RESET switch with a ball-point pen or other pointed article.

Radio

Unable to receive stations.

- No antenna or open connection in cable.
 - Make sure the antenna is properly connected; replace the antenna or cable if necessary.

Unable to tune stations in the seek mode.

- You are in a weak signal area.
 - Make sure the tuner is in the DX mode.
- If the area you are in is a primary signal area, the antenna may not be grounded and connected properly.
 - Check your antenna connections; make sure the antenna is properly grounded at its mounting location.
- The antenna may not be the proper length.
 - Make sure the antenna is fully extended; if broken, replace the antenna with a new one.

Broadcast is noisy.

- The antenna is not the proper length.
 - Extend the antenna fully; replace it if it is broken.
- The antenna is poorly grounded.
 - Make sure the antenna is grounded properly at its mounting location.

MP3/WMA/AAC

MP3, WMA or AAC is not played back.

- Writing error occurred. The MP3/WMA/AAC format is not compatible.
 - Make sure the MP3/WMA/AAC has been written in a supported format. Refer to "About MP3/WMA/AAC" (pages 16-17), then rewrite in the format supported by this device.

Audio

The sound is not output from the speakers.

- Unit has no output signal of the internal amplifier.
 - Power IC is switched to "On" (page 21).

iPod/iPhone

iPod/iPhone does not play and no sound is output.

- The iPod/iPhone has not been recognized.
 - Reset this unit and the iPod/iPhone. Refer to "Initial System Start-Up" (page 6). To reset the iPod/iPhone, refer to the Owner's Manual of the iPod/iPhone.

Indication for iPod/iPhone Mode

Current Error

- Abnormal current is run to the USB connector device (an error message may be displayed if the USB device that is not compatible with the unit is connected).
 - Attempt to connect another iPod/iPhone.

USB Device Error

- An iPod/iPhone that is not supported by the unit is connected.
 - Connect an iPod/iPhone that is supported by the unit.
 - Reset the iPod/iPhone.

No USB Device

- An iPod/iPhone is not connected.
 - Make sure the iPod/iPhone is correctly connected and the cable is not excessively bent.

No Song

- There are no songs in the iPod/iPhone.
 - Download songs to the iPod/iPhone and connect to this unit.

No Support

- Text information that is not supported on the unit has been input.
 - Use an iPod/iPhone in which text information is input that is supported on the unit.

Error 01

- Communication error.
 - Turn the ignition key off, and then set to ON again.
 - Verify in the display after reconnecting the iPod/iPhone to the iPod Dock interface cable and to the USB cable.
 - Reset the iPod/iPhone.

Error 02

- Caused by the iPod/iPhone Software Version not being compatible with this unit.
 - Update the iPod/iPhone Software Version to be compatible with this unit.

Error 03

- The iPod/iPhone is not verified.
 - Reset the iPod/iPhone.
 - Try another iPod/iPhone.

Indication for USB memory

Current Error

- Abnormal current is run to the USB connector device (an error message may be displayed if the USB device that is not compatible with the unit is connected).
USB memory is a malfunction or it is shorted.
 - Connect another USB memory.

USB Device Error

- A USB device that is not supported by the unit is connected.
 - Connect a USB device that is supported by the unit.

No USB Device

- A USB memory is not connected.
 - Make sure the USB memory device is correctly connected and the cable is not excessively bent.

No Song

- No song (file) is stored in the USB memory.
 - Connect the USB memory device after storing songs (files).

Unsupported

- A sampling rate/bit rate not supported by the unit is used.
 - Use a sampling rate/bit rate that is supported by the unit.

Protect

- A copy-protected WMA file was played back.
 - You can only play back non-copy-protected files.

No Support

- Text information that is not recognizable by the unit has been input.
 - Use a USB memory device with input text information that is supported by the unit.

Indication for Portable audio player Mode

Current Error

- Abnormal current is run to the USB connector device (an error message may be displayed if the USB device that is not compatible with the unit is connected).
 - Attempt to connect another Portable audio player.

USB Device Error

- A Portable audio player that is not supported by the unit is connected.
 - Attempt to connect another Portable audio player.

No USB Device

- A Portable audio player is not connected.
 - Make sure the Portable audio player is correctly connected and the cable is not excessively bent.

No Song

- There are no songs in the Portable audio player.
 - Download songs to the Portable audio player and connect to this unit.

No Support

- Text information that is no supported on the unit has been input.
 - Use an Portable audio player in which text information is input that is supported on the unit.

Unsupported

- A sampling rate/bit rate not supported by the unit is used.
 - Use a sampling rate/bit rate that is supported by the unit.

Protect

- A copy-protected WMA file was played back.
 - You can only play back non-copy-protected files.
 - Make sure the Portable audio player is set to MTP.

Error 01

- Communication error.
 - Turn the ignition key off, and then set to ON again.
 - Verify in the display after reconnecting the Portable audio player to the connection cable.

Error 02

- Caused by the Software Version not being compatible with this unit.
 - Update the Portable audio player Software Version. For details, refer to the Owner's Manual of player.
 - Reset the Portable audio player.

Indication for CD Changer

High Temperature

- Protective circuit is activated due to high temperature.
 - The indication will disappear when the temperature returns to normal operating range.
-

Error 01

- Malfunction in the CD Changer.
 - Consult your Alpine dealer. Press the magazine eject button and pull out the magazine.
Check the indication. Insert the magazine again.
If the magazine cannot be pulled out, consult your Alpine dealer.
 - Magazine ejection not possible.
 - Press the magazine eject button. If the magazine does not eject, consult your Alpine dealer.
-

Error 02

- A disc is left inside the CD Changer.
 - Press the eject button to activate the eject function. When the CD Changer finishes the eject function, insert an empty CD magazine into the CD Changer to receive the disc left inside the CD Changer.
-

No Magazine

- No magazine is loaded into the CD Changer.
 - Insert a magazine.
-

No Disc

- No indicated disc.
 - Choose another disc.
-

Specifications

FM TUNER SECTION

Tuning Range	87.5-108.0 MHz
Mono Usable Sensitivity	9.3 dBf (0.8 μ V/75 ohms)
50 dB Quieting Sensitivity	13.5 dBf (1.3 μ V/75 ohms)
Alternate Channel Selectivity	80 dB
Signal-to-Noise Ratio	65 dB
Stereo Separation	35 dB
Capture Ratio	2.0 dB

AM TUNER SECTION

Tuning Range	531-1602 kHz
Sensitivity (IEC Standard)	22.5 μ V/27 dB

USB SECTION

USB requirements	USB 1.1/2.0
Max. Power Consumption	500mA
File System	FAT12/16/32
MP3 Decoding	MPEG-1/2 AUDIO Layer-3
WMA Decoding	Windows Media™ Audio (WMDRM10 is supported)
AAC Decoding	AAC-LC format “.m4a” file
Number of Channels	2-Channel (Stereo)
Frequency Response*	5-20,000 Hz (\pm 1 dB)
Total Harmonic Distortion	0.008% (at 1 kHz)
Dynamic Range	95 dB (at 1 kHz)
Signal-to-Noise Ratio	105 dB
Channel Separation	85 dB (at 1 kHz)

* Frequency response may differ depending on the encoder software/bit rate.

GENERAL

Power Requirement	14.4 V DC (11-16 V allowable)
Power Output	50 W \times 4
Maximum Pre-Output Voltage	2 V/10 k ohms
Weight	1.0 kg (2 lbs. 3 oz)

CHASSIS SIZE

Width	178 mm (7")
Height	50 mm (2")
Depth	156 mm (6-1/8")

NOSEPIECE SIZE

Width	170 mm (6-3/4")
Height	46 mm (1-13/16")
Depth	28 mm (1-1/8")

DETACHABLE FRONT PANEL SIZE

Width	108 mm (4-1/4")
Height	46 mm (1-13/16")
Depth	36 mm (1-7/16")

- Due to continuous product improvement, specifications and design are subject to change without notice.

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- iPhone is a trademark of Apple Inc., registered in the U.S. and other countries.
- “Made for iPod” means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.
- “Works with iPhone” means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards.
- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
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Installation and Connections

Before installing or connecting the unit, please read the following and pages 3 and 4 of this manual thoroughly for proper use.

Warning

MAKE THE CORRECT CONNECTIONS.

Failure to make the proper connections may result in fire or product damage.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.

Failure to do so may result in electric shock or injury due to electrical shorts.

DO NOT SPLICE INTO ELECTRICAL CABLES.

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.

When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.

Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR SHIFT LEVER.

Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.

DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS.

Arrange wiring and cables in compliance with the manual to prevent obstructions when driving. Cables or wiring that obstruct or hang up on places such as the steering wheel, gear lever, brake pedals, etc. can be extremely hazardous.

Caution

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.

The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.

Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.

Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.

Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.

Precautions

- Be sure to disconnect the cable from the (–) battery post before installing your iDA-X305S. This will reduce any chance of damage to the unit in case of a short-circuit.
- Be sure to connect the color coded leads according to the diagram. Incorrect connections may cause the unit to malfunction or damage to the vehicle's electrical system.
- When making connections to the vehicle's electrical system, be aware of the factory installed components (e.g. on-board computer). Do not tap into these leads to provide power for this unit. When connecting the iDA-X305S to the fuse box, make sure the fuse for the intended circuit of the iDA-X305S has the appropriate amperage. Failure to do so may result in damage to the unit and/or the vehicle. When in doubt, consult your Alpine dealer.
- The iDA-X305S uses female RCA-type jacks for connection to other units (e.g. amplifier) having RCA connectors. You may need an adaptor to connect other units. If so, please contact your authorized Alpine dealer for assistance.
- Be sure to connect the speaker (–) leads to the speaker (–) terminal. Never connect left and right channel speaker cables to each other or to the vehicle body.

IMPORTANT

Please record the serial number of your unit in the space provided below and keep it as a permanent record. The serial number or the engraved serial number is located on the bottom of the unit.

SERIAL NUMBER: _____

INSTALLATION DATE: _____

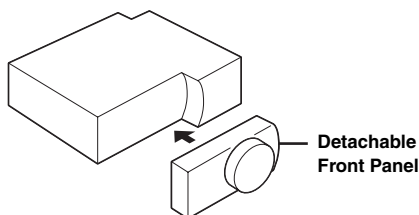
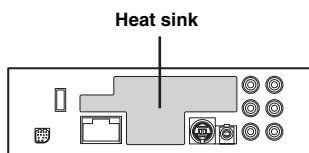
INSTALLATION TECHNICIAN: _____

PLACE OF PURCHASE: _____

Installation

Caution

Do not block the unit's heat sink, thus preventing air circulation. If blocked, heat will accumulate inside the unit and may cause a fire.

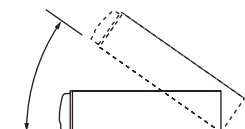


Caution

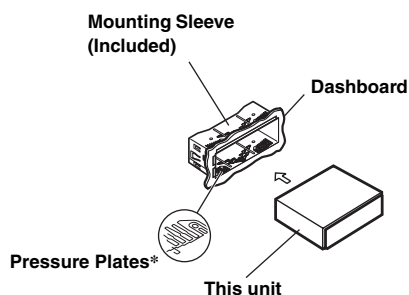
When you install this unit in your car, do not remove the detachable front panel. If the detachable front panel is removed during installation, you might press too hard and warp the metal plate that holds it in place.

- The main unit must be mounted within 35 degrees of the horizontal plane, back to front.

Less than 35°



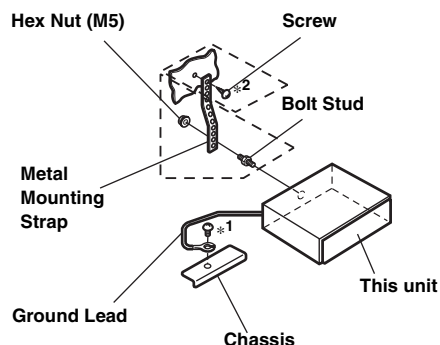
1



* If the installed mounting sleeve is loose in the main unit, the pressure plates may be widened slightly to remedy the problem.

Remove mounting sleeve from the main unit (see "Removal" on page 35).

2



Reinforce the head unit with the metal mounting strap (not supplied). Secure the ground lead of the unit to a clean metal spot using a screw (*1) already attached to the vehicle's chassis.

- For the screw marked "※2", use an appropriate screw for the chosen mounting location.

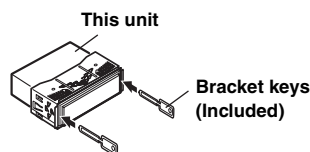
Connect each input lead coming from an amplifier or equalizer to the corresponding output lead coming from the left rear of the iDA-X305S. Connect all other leads of the iDA-X305S according to details described in the CONNECTIONS section.

3

Slide the iDA-X305S into the dashboard until it clicks. This ensures that the unit is properly locked and will not accidentally come out from the dashboard. Install the detachable front panel.

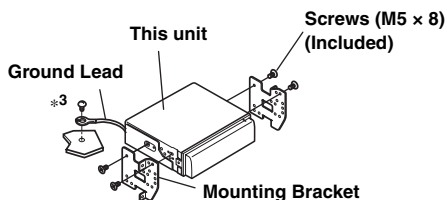
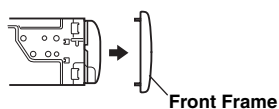
Removal

- Remove the detachable front panel.
- Insert the bracket keys into the unit, along the guides on either side. The unit can now be removed from the mounting sleeve.



- Pull the unit out, keeping it unlocked as you do so.

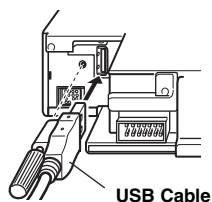
<JAPANESE CAR>



- Secure the ground lead of the unit to a clean metal spot using a screw (*3) already attached to the vehicle's chassis.

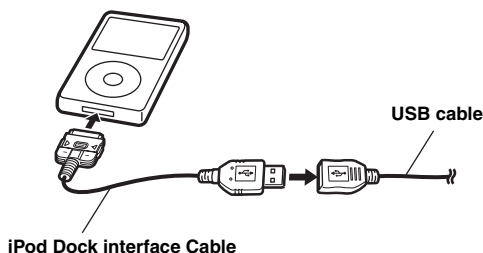
USB cable connection

Insert a USB cable into the unit, and fix with a lock screw.



iPod/iPhone Connection (sold separately)

Connect USB cable to an iPod/iPhone with iPod Dock interface cable.



Remove the iPod/iPhone

Remove the iPod/iPhone from iPod Dock interface cable.

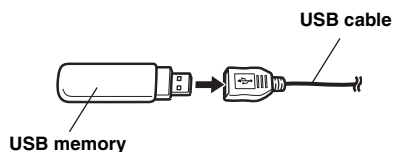


- After changing the unit to a source other than the iPod, remove the iPod/iPhone. If the iPod/iPhone is removed in the iPod mode, data may cause damage.
- If sound is not output or the iPod/iPhone is not recognized even when the iPod/iPhone is connected, remove the iPod/iPhone once, then connect it again, or reset the iPod/iPhone.
- Before connecting the iPod/iPhone to this unit, set the EQ function of iPod/iPhone to OFF.
- Do not leave the iPod/iPhone in a vehicle for a long time. Heat and humidity may damage the iPod/iPhone and you may not be able to play it again.

USB memory Connection (sold separately)

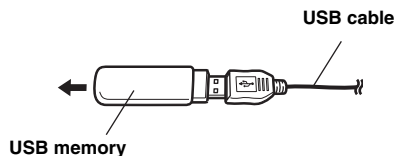
Connect USB memory

Connect USB memory to USB cable.



Remove USB memory

Pull out USB memory squarely from the USB cable.

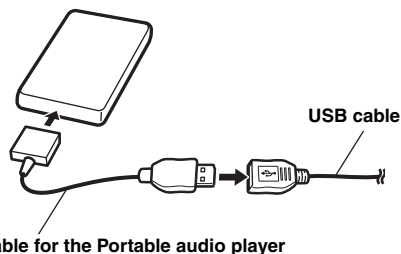


- When removing USB memory, pull it out straight.
- If sound is not output or USB memory is not recognized even when USB memory is connected, remove USB memory once, then connect it again.
- Change to a source other than the USB memory mode, then remove the USB memory. If the USB memory is removed in the USB memory mode, data may be damaged.

Portable Audio Player Connection (sold separately)

Connect Portable audio player

Connect the cable supplied with a Portable audio player to the USB cable.

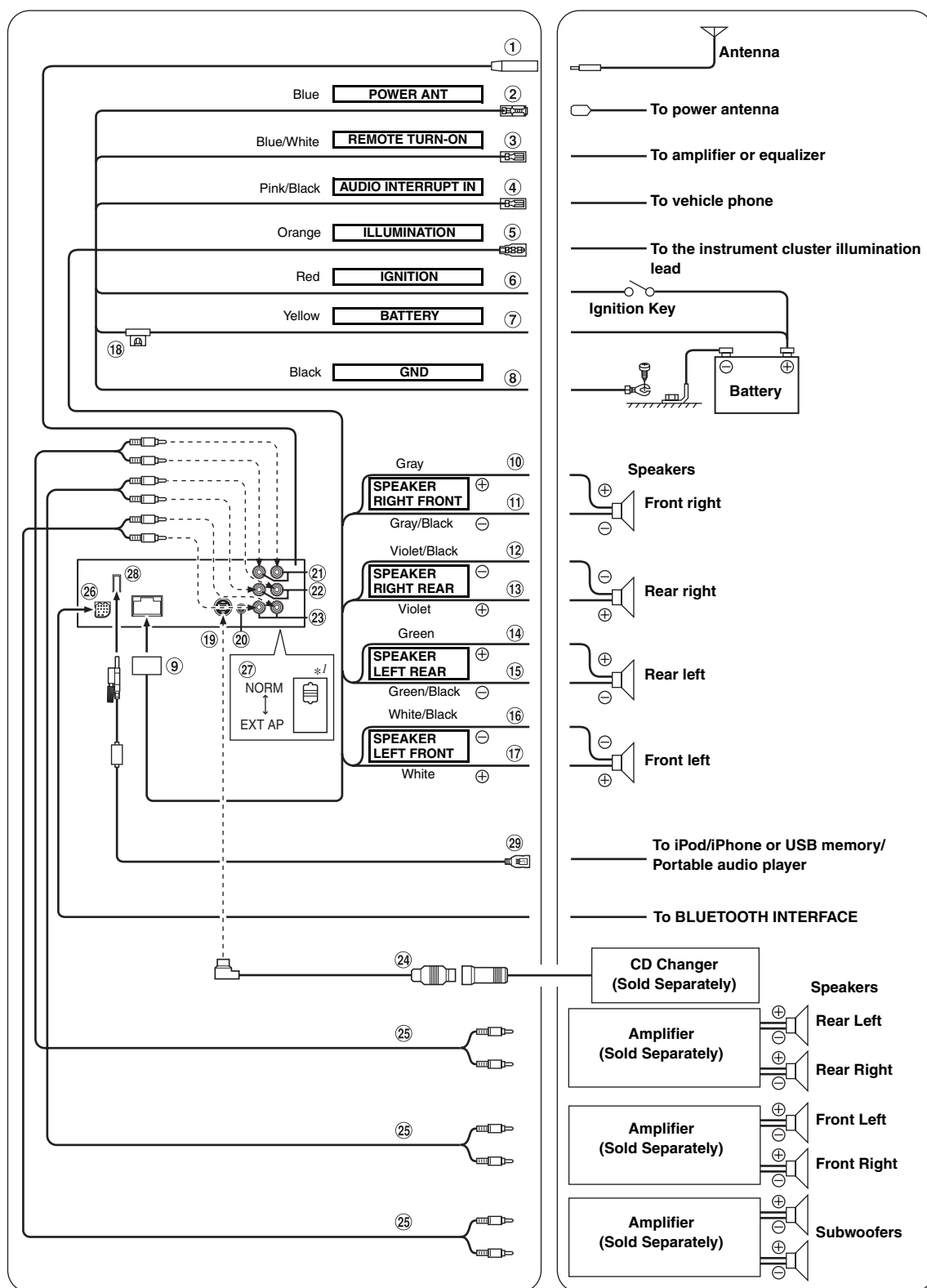


Remove Portable audio player

Disconnect the Portable audio player from the supplied player cable.

- Refer also to the Owner's Manual of the Portable audio player.

Connections



*¹ The system switch is located on the bottom of the unit.

- ① **Antenna Receptacle**
- ② **Power Antenna Lead (Blue)**
Connect this lead to the +B terminal of your power antenna, if applicable.
 - *This lead should be used only for controlling the vehicle's power antenna. Do not use this lead to turn on an amplifier, or a signal processor, etc.*
- ③ **Remote Turn-On Lead (Blue/White)**
Connect this lead to the remote turn-on lead of your amplifier or signal processor.
- ④ **Audio Interrupt In Lead (Pink/Black)**
- ⑤ **Illumination Lead (Orange)**
This lead may be connected to the vehicle's instrument cluster illumination lead. This will allow the backlighting of the iDA-X305S to dim whenever the vehicle's lights are turned on.
- ⑥ **Switched Power Lead (Ignition) (Red)**
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+)12V only when the ignition is turned on or in the accessory position.
- ⑦ **Battery Lead (Yellow)**
Connect this lead to the positive (+) post of the vehicle's battery.
- ⑧ **Ground Lead (Black)**
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.
- ⑨ **Power Supply Connector**
- ⑩ **Right Front (+) Speaker Output Lead (Gray)**
- ⑪ **Right Front (-) Speaker Output Lead (Gray/Black)**
- ⑫ **Right Rear (-) Speaker Output Lead (Violet/Black)**
- ⑬ **Right Rear (+) Speaker Output Lead (Violet)**
- ⑭ **Left Rear (+) Speaker Output Lead (Green)**
- ⑮ **Left Rear (-) Speaker Output Lead (Green/Black)**
- ⑯ **Left Front (-) Speaker Output Lead (White/Black)**
- ⑰ **Left Front (+) Speaker Output Lead (White)**
- ⑱ **Fuse Holder (10A)**
- ⑲ **Ai-NET Connector**
Connect this to the output or input connector of another device (CD Changer, Equalizer, etc.) equipped with Ai-NET.
 - *Be sure to set "Setting the Connected Head Unit (MODEL SETUP)" to "DVD CHG", when the DHA-S690 is connected.*
 - *Interface adapter for iPod (KCA-420i) is not recommended for use with this product.*
- ⑳ **Steering Remote Control Interface Connector**
To steering Remote control interface box.
For details about connections, consult your nearest Alpine dealer.
- ㉑ **Rear Output/Input RCA Connectors**
It can be used as Rear Output or Input RCA Connectors. RED is right and WHITE is left.
- ㉒ **Front Output/Input RCA Connectors**
It can be used as Front Output or Input RCA Connectors. RED is right and WHITE is left.
- ㉓ **Subwoofer RCA Connectors**
RED is right and WHITE is left.
- ㉔ **Ai-NET Cable (Included with CD Changer)**
- ㉕ **RCA Extension Cable (sold separately)**
- ㉖ **BLUETOOTH Interface Connector**
Connect this to an optional BLUETOOTH INTERFACE (KCE-400BT).
To use a hands-free mobile phone, an optional BLUETOOTH INTERFACE connection is required. For details on connection, refer to the Owner's Manual of the BLUETOOTH INTERFACE.
You can input the audio of an external device, (such as a Portable audio player) to the BLUETOOTH interface connector of this unit. A special Conversion cable (KCE-237B) is necessary to adapt the BLUETOOTH interface connector as an AUX IN.
- ㉗ **System Switch**
When connecting a processor or divider using Ai-NET, place this switch in the EXT AP position. When no device is connected, leave the switch in the NORM position.
 - *When the IMPRINT audio processor is connected, set to EXT AP position.*
 - *Be sure to turn the power off to the unit before changing the switch position.*
- ㉘ **USB Connector**
Connect USB cable.
- ㉙ **USB cable**
Connect this to a USB memory / Portable audio player or to an iPod/iPhone. To use an iPod/iPhone, iPod Dock interface cable connection is required.
 - *Use the supplied USB cable. If a USB cable other than the supplied is used, correct performance cannot be guaranteed.*
 - *Route the USB cable away from other cables.*

To prevent external noise from entering the audio system.

- Locate the unit and route the leads at least 10 cm away from the car harness.
- Keep the battery power leads as far away from other leads as possible.
- Connect the ground lead securely to a bare metal spot (remove any paint, dirt or grease if necessary) of the car chassis.
- If you add an optional noise suppressor, connect it as far away from the unit as possible. Your Alpine dealer carries various noise suppressors, contact them for further information.
- Your Alpine dealer knows best about noise prevention measures so consult your dealer for further information.

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操作說明

警告



警告

此標誌表示重要說明。如果未能注意可能會造成人員嚴重受傷或死亡。

不要使用會使您駕駛時分心的任何功能。

任何影響注意力的機器功能的操作都要等完全停住汽車之後才作。要使用這些操作功能時，一定請先把車輛停放在安全地帶。否則，將可能導致意外事故。

駕駛中必須保持音量水平使還能聽到車外的噪聲。

如果音量太大造成緊急車輛的警報聲和道路警告訊號（火車交叉口等）聽不清是危險的，並可能導致意外事故。另外，在汽車里用大音量收聽還可能導致聽力遭受傷害。

駕駛中盡可能少看顯示器。

看顯示器，可能分散駕駛員注視汽車前方的注意力而導致意外事故。

不要分解或改造。

否則，可能導致意外事故、火災或觸電。

僅用於 12 伏負極（－）接地的汽車。

（如果您無法確定，請向您的代理商確認。）否則可能會造成火災或電擊。

不要讓兒童觸及像電池這樣的小物體。

吞下小物體會引起嚴重的傷害。如果誤吞，請立即請醫生診治。

更換保險絲時須選用規定安培值的保險絲。

否則可能引起火災或觸電。

不要堵塞住通風孔或散熱板。

否則，可能導致內部積熱並可能導致火災。

本產品請應用於 12V 型式的汽車。

應用在別型汽車，可能導致火災、觸電或其它傷害。



注意

此標誌表示重要說明。如果未能注意可能會造成人員受傷或設備損壞。

發生問題時，請立即停止使用。

否則，可能使個人受傷或損壞了產品。請將本產品送回到指定的 Alpine 代銷店或附近的 Alpine 服務中心修理。



使用須知

產品清潔

請使用乾的軟布定期清潔本產品。若污物較難清除，請僅用水將軟布浸濕。其他任何溶劑都可能溶解油漆或損壞塑料。

溫度

開啓本機之前，請確認汽車中的溫度在 +60°C 和 -10°C 之間。

維修

如果您遇到問題，請勿自行修理。請將本產品送回到 Alpine 經銷商或附近的 Alpine 服務中心修理。

安裝位置

iDA-X305S 不可安裝於下列任何場所：

- 陽光直射和熱源附近
- 濕度很高的地方和水源附近
- 多塵場所
- 劇烈振動的場所

保護 USB 連接器

- 只有 iPod/iPhone、USB 記憶體或隨身音樂播放器能夠連接至本機的 USB 連接器。使用其他 USB 產品無法保證正常使用。
- 如果使用 USB 連接器，請務必只使用本機隨附的連接器電纜。不支援 USB 集線器。
- 視連接的 USB 記憶體裝置而定，本機可能無法作用或是無法執行部分功能。
- 本機可播放的音訊檔案格式為 MP3/WMA/AAC。
- 可以顯示歌手 / 歌曲名稱等，然而，可能無法正確顯示某些字元。



注意

對於丟失資料等，即使是在使用本產品時發生，Alpine 概不負責。

有關使用 USB 記憶體

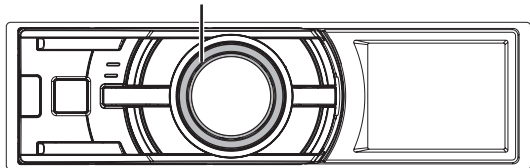
- 本機可控制能支援 USB 大量儲存等級 (MSC) 協定的記憶儲存裝置。可播放的音訊檔案格式為 MP3、WMA 和 AAC。
- 無法保證 USB 記憶體的功能。請根據協議條款使用 USB 記憶體。請通讀 USB 記憶體的用戶手冊。
- 避免在下列地點使用或存放：
 - 在陽光直射下的車內或高溫場所。
 - 濕度高或存在腐蝕性物質的場所。
- 將 USB 記憶體安裝在不會妨礙駕駛員操作的位置。
- USB 記憶體可能無法在高溫或低溫的地方正確運作。
- 只使用經認可的 USB 記憶體。請注意，即使是經認可的 USB 記憶體，仍有可能因類型或狀態不同而無法正確運作。
- 視 USB 記憶體類型、記憶體狀態或編碼軟體的設定而定，本機可能無法正確播放或顯示。
- 本機上不能播放經防拷保護（使用某些類型的 DRM，數字權利管理）的檔案。已經在 iTunes 商店購買的含 DRM 的 WMA 格式檔案或 ACC 格式檔案也包含在此限制中。
- USB 記憶體可能需要一些時間才能開始播放。如果 USB 記憶體內有除音訊以外的特殊檔案，則播放或搜尋檔案之前可能需要更長的時間。
- 本機可以播放“mp3”、“wma”、“m4a”副檔名的檔案。
- 請勿在非音訊資料檔案上加上以上副檔名。
這種非音訊資料無法辨識。播放結果可能會包含能損壞揚聲器和 / 或放大器的噪音。
- 建議在個人電腦上備份重要的資料。
- 在播放過程中切勿移除 USB 裝置。
將 SOURCE 變更為除 USB 以外的其他項，然後移除 USB 裝置，以防止損壞其記憶體。

有關使用隨身音樂播放器

- 本機可經由 USB 介面控制隨身音樂播放器。可播放的音訊檔案格式為 MP3 和 WMA。
- 無法保證隨身音樂播放器的功能。請根據協議條款使用隨身音樂播放器。請通讀隨身音樂播放器的用戶手冊。
- 避免在下列地點使用或存放：
 - 在陽光直射下的車內或高溫場所。
 - 濕度高或存在腐蝕性物質的場所。
- 將隨身音樂播放器安裝在不會妨礙駕駛員操作的位置。
- 隨身音樂播放器可能無法在高溫或低溫的地方正確運作。
- 視隨身音樂播放器類型、記憶體狀態或編碼軟體的設定而定，本機可能無法正確播放或顯示。
- 如果隨身音樂播放器具有 MSC/MTP 設定，請設為 MTP。
- 本機可能無法播放以 USB 大量儲存方式儲存資料的隨身音樂播放器。
- 視隨身音樂播放器設定而定，可能支援 USB 大量儲存功能。有關設定方式，請參閱播放器的用戶手冊。
- 本機可播放 Windows Media Player (版本 10 或 11) 所同步化且傳送至播放器的 MP3/WMA 檔案。可播放副檔名為“mp3”或“wma”的檔案。
- 如果資料未經由 Windows Media Player 同步並以其他方式傳送，本機可能無法正確播放檔案。
- 本機支援 WMDRM10。
- 無法播放經防拷保護（版權保護）的檔案。
- 建議在個人電腦上備份重要的資料。
- 在播放過程中切勿移除 USB 裝置。將 SOURCE 變更為除 USB 以外的其他項，然後移除 USB 裝置，以防止損壞其記憶體。

Double Action Encoder 操作

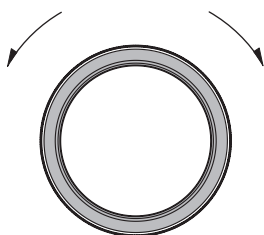
Double Action encoder



共有兩種操作 Double Action encoder 的方式。

一般操作

將 **Double Action encoder** 往左或往右旋轉。

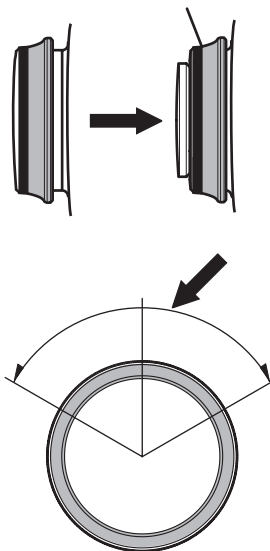


調節音量與捲動項目清單。

替代操作

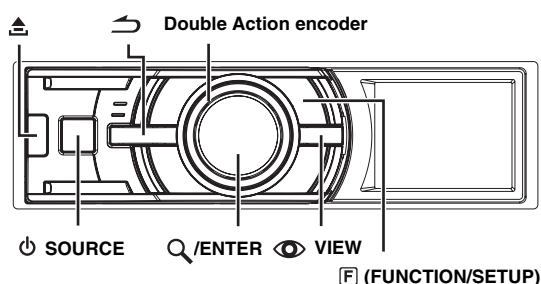
按著 **Double Action encoder** 的外圈並往左或往右旋轉。
當您放開 Double Action encoder 時，即可變更顯示。

按 Double Action encoder。



視當前模式而定，所出現的功能也會有所差異。如果您按住 **Double Action encoder** 並向左或向右轉，您便可持續變更項目 / 顯示。

準備工作



附件清單

• Digital Media Receiver.....	1
• 電源線.....	1
• 安裝殼套.....	1
• 攜帶盒.....	1
• 前框架.....	1
• 托架鑰匙.....	1
• 螺絲 (M5x8).....	4
• USB 電纜.....	1
• iPod Dock 介面電纜.....	1
• 用戶手冊.....	1 套

電源開啓和關閉

按 **SOURCE** 開啓本機。

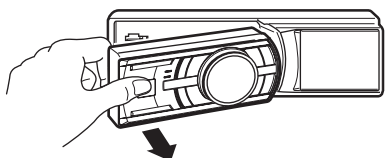
- 除了 **Double Action encoder** 以及 **VIEW** 鈕以外，可按任一按鈕而開啓本機。如果連接 iPod/iPhone 或 USB 記憶體，也會自動開啓本機。

按住 **SOURCE** 至少 2 秒鐘可關閉本機。

拆卸和安裝前面板

拆卸

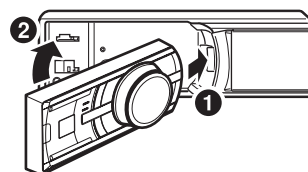
- 1 關閉本機電源。
- 2 按左下方的 **Double Action encoder**，直到前面板彈出。
- 3 握住前面板的左側並拉出。



- 前面板在正常使用中可能變燙（特別是前面板背部的連接器端子。）這並不是故障。
- 若要保護前面板，請將其放在附帶的便攜盒中。

安裝

- 1 將前面板的右側插入主機。將前面板上的凹槽對準主機上的突出部分。
- 2 推入前面板的左側，直至其牢固地裝入主機。



- 安裝前面板前，請確保連接器端子上無污垢或灰塵，且前面板和主機之間無雜物。
- 安裝前面板時請小心。注意應抓住面板的兩側，以避免誤壓按鈕。

初始化系統啓動

在初次使用本機時，或者更換汽車電瓶等情況後，務必按一下 **RESET** 開關。

- 1 關閉本機電源。
- 2 按 **Double Action encoder**（釋放）拆下前面板。
- 3 用原子筆或類似尖頭物件按一下 **RESET**。



調節音量

旋轉 **Double Action encoder** 直到出現想要的聲音為止。

設定時間與日曆

- 1 按住 **⏏ (FUNCTION/SETUP)** 至少 2 秒鐘啟動 **SETUP** 選擇模式。
- 2 旋轉 **Double Action encoder** 以選擇 “General”，然後按 **Q/ENTER**。
BLUETOOTH ↔ General ↔ Display ↔ iPod ↔ Audio
- 3 旋轉 **Double Action encoder** 以選擇 “Clock Adjust”，然後按 **Q/ENTER**。
啟動日曆設定模式。
設定年後，進行步驟 5。
- 4 旋轉 **Double Action encoder** 以選擇要設定的年、月、日、小時或分鐘。
- 5 按 **Q/ENTER**。
啟動年設定模式，則年閃爍。（當設定 “年” 時）
- 6 旋轉 **Double Action encoder** 以設定年，然後按 **Q/ENTER**。
年設定完成。（當設定 “年” 時）
- 7 重複上述步驟 4 至 6，設定月、日、小時與分鐘。
- 8 按住 **↶** 至少 2 秒鐘將返回正常模式。
 - 在過程中按 **↶** 返回先前的模式。

顯示日曆 / 時間

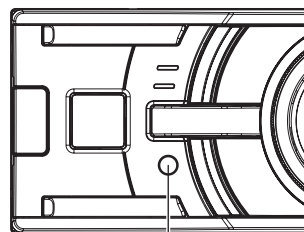
按 **VIEW**。
顯示日曆 / 時間。再按一次 **VIEW** 將返回正常模式。



- 在時鐘優先模式中選擇任何調諧器或 iPod/iPhone 功能時，會暫時中斷時間顯示。時間返回顯示之前，所選的功能會顯示約 5 秒鐘。
- 如果連接 iPod/iPhone，可以顯示專輯封面畫面。請參閱 “變更顯示”（第 12 頁）。
- 在 Auxiliary / Auxiliary+ 模式中，日曆 / 時間不顯示。

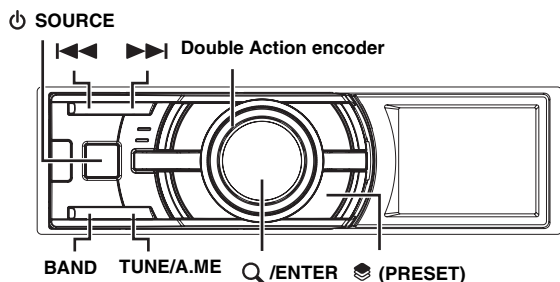
可使用遙控器進行控制

將選購的遙控發射器對著遙控感應窗。



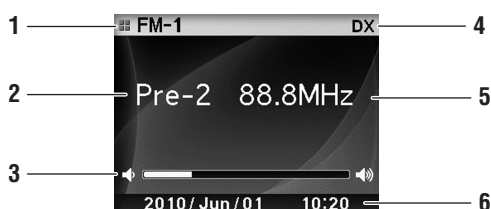
遙控感應窗

無線電



如何看顯示器

< 無線電畫面顯示範例 >



- 1 模式顯示
- 2 預設號碼
- 3 音量
- 4 調諧模式
- 5 頻率
- 6 日曆 / 時間

收聽無線電

- 1 按 **SOURCE** 選擇 **TUNER** 模式。
 - 2 反覆按 **BAND** 直至顯示您想要的無線電波段。
FM-1 → FM-2 → AM → FM-1
 - 3 按 **TUNE/A.ME** 選擇調諧模式。
DX (遠地模式) → Local (本地模式) →
Manual (手動模式) → DX (遠地模式)
- 初始模式為遠地模式。

遠地模式：

訊號強和訊號弱的電台都被自動調入 (自動搜尋調諧)。

本地模式：

只自動調入訊號強的電台 (自動搜尋調諧)。

手動模式：

手動逐級調諧頻率 (手動調諧)。

- 4 按 **◀◀** 或 **▶▶** 調入想要的廣播電台。
按住 **◀◀** 或 **▶▶** 將連續改變頻率。

手動儲存預設電台

- 1 選擇無線電波段並調至您想要儲存至預設記憶體體的廣播電台。
 - 2 按 **(PRESET)**。
顯示預設畫面。
 - 3 旋轉 **Double Action encoder** 以選擇預設號碼。
 - 4 按住 **Q/ENTER** 至少 2 秒鐘。
所選的電台被儲存。
顯示幕顯示記憶的波段、預設號碼和電台頻率。
- 預設記憶體中總計可儲存 18 個電台 (FM1、FM2、AM 波段各 6 個電台)。
 - 如果您在已存有電台的預設記憶體中儲存一個電台，當前電台將被清除並被新的電台替換。
 - 在預設畫面按著 **Double Action encoder** 的外圈並往左或往右旋轉，您便可切換另一個波段的預設畫面。
FM-1 ↔ FM-2 ↔ AM ↔ FM-1
您也可以按下 **BAND** 而更改想要的無線電波段。

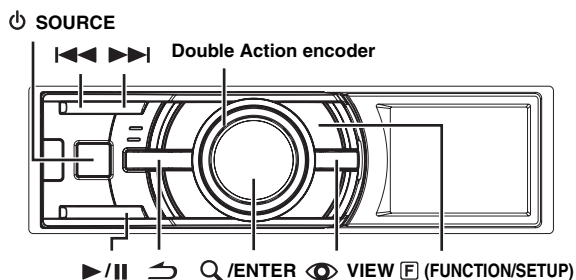
自動儲存預設電台

- 1 反覆按 **BAND** 直至顯示您想要的無線電波段。
 - 2 按住 **TUNE/A.ME** 至少 2 秒鐘。
在自動記憶過程中顯示 “Auto Memory”。調諧器將自動搜尋並儲存所選波段中的 6 個訊號強的電台。它們將按訊號強度儲存在 1 至 6 中。
自動記憶完成後，調諧器將轉到儲存在預設位置 1 的電台上。
- 如果未儲存電台，則調諧器將返回自動記憶開始前您正在收聽的原始電台上。

調諧至預設電台

- 1 反覆按 **BAND** 直至顯示您想要的波段。
 - 2 按 **PRESET**。
顯示預設畫面。
 - 3 旋轉 **Double Action encoder** 以選擇廣播電台。
 - 4 按 **Q/ENTER**。
顯示幕顯示所選電台的波段、預設號碼和頻率。
- 在預設畫面按著 **Double Action encoder** 的外圈並往左或往右旋轉，您便可切換另一個波段的預設畫面。
FM-1 ↔ FM-2 ↔ AM ↔ FM-1
您也可以按下 **BAND** 而更改想要的無線電波段。

iPod/iPhone



如果使用正確的電纜將 iPod/iPhone 連接至 iDA-X305S，則 iPod/iPhone 上的控制器無效。

- 無法用本機控制 iPhone 或 iPod touch 的網際網路或電話等功能，但是可使用 iPhone 或 iPod touch 自身來控制這些功能。
- 如果將 iPhone 連接至 iDA-X305S，則可以將其作為 iPod 使用。如果將 iPhone 作為免持電話使用，則需要選購的藍芽介面 (KCE-400BT)。
- 本機不支援 iPod FULL SPEED 連接。因此，即使使用 FULL SPEED 連接電纜 (KCE-433iV) 將 iPod/iPhone 連接在藍芽介面 (KCE-400BT) 上，您也無法操作 iPod/iPhone。
- 本機不支援 iPod/iPhone 的視訊播放功能。

關於能與本機配合使用的 iPod/iPhone

- 有關 Made for iPod 經認證的設備。更早的版本則無法保證其正確的功能。
 - iPod touch (2009 年年底)：3.1.2 版
 - iPod nano (第 5 代)：1.0.2 版
 - iPod classic (2009 年年底)：2.0.3 版
 - iPod touch (第 2 代)：第 3.1.2 版
 - iPod nano (第 4 代)：1.0.3 版
 - iPod classic (120GB)：2.0.1 版
 - iPod touch (第 1 代)：3.1.2 版
 - iPod nano (第 3 代)：1.1.3 版
 - iPod classic (80GB, 160GB)：1.1.2 版
 - iPod nano (第 2 代)：1.1.3 版
 - iPod with video：1.3 版
 - iPod nano (第 1 代)：1.3.1 版
- 有關 Works with iPhone 經認證的設備。更早的版本則無法保證其正確的功能。
 - iPhone 3GS：3.1.2 版
 - iPhone 3G：3.1.2 版
 - iPhone：3.1.2 版
- 為清楚識別 iPod 機型，請造訪 <http://support.apple.com/kb/HT1353> 參閱 Apple 文件 “識別 iPod 機型”。

如何看顯示器



- 1 模式顯示
- 2 歌曲標題 / 插曲標題 / 有聲書標題
- 3 歌手標題 / Podcast 標題
- 4 專輯標題 / 發行日期
- 5 專輯封面畫面
- 6 已播放時間
- 7 剩餘播放時間
- 8 日曆 / 時間

- 播放時間到達 100 分鐘時，會顯示 “00’ 00”。

播放

- 1 按 **Q** **SOURCE** 切換到 iPod 模式。

- 2 按 **◀◀** 或 **▶▶** 選擇所需歌曲。

返回當前歌曲的起點：

按 **◀◀**。

快退：

按住 **◀◀**。

跳到下一首歌曲的起點：

按 **▶▶**。

快轉：

按住 **▶▶**。

- 3 若要暫停播放，按 **▶/||**。
再次按 **▶/||** 將恢復播放。

- 當 iPod 連接至 iDA-X305S 時，如果在 iPod/iPhone 上播放歌曲，連接後將繼續播放。
- Podcast 或有聲書可能具有許多章節。可按 **◀◀** 或 **▶▶** 切換章節。

搜尋所需歌曲 / 標題

iPod/iPhone 可以容納數千首歌曲。因此，本機可以使用搜尋功能進行各種搜尋，如下所示。

您可以播放清單 / 歌手 / 專輯 / Podcast / 有聲書 / 音樂風格 / 作曲者 / 歌曲搜尋模式的各自等級以縮小搜尋範圍，如下表所示。

等級 1	等級 2	等級 3	等級 4
播放清單 (PLAYLISTS)	歌曲	—	—
歌手 (ARTISTS)	專輯	歌曲	—
專輯 (ALBUMS)	歌曲	—	—
PODCASTS	插曲	—	—
有聲書 (AUDIOBOOKS)	—	—	—
音樂風格 (GENRES)	歌手	專輯	歌曲
作曲者 (COMPOSERS)	專輯	歌曲	—
歌曲 (SONGS)	—	—	—

- 您可以選擇喜愛的搜尋模式。請參閱“iPod/iPhone 搜尋模式設定”（第 22 頁）。
- 例如，如果所選歌手只有一張專輯，就會自動選擇歌曲搜尋模式而跳過專輯搜尋模式。

例如：按歌手姓名搜尋

以下舉例說明如何執行 ARTIST 搜尋。儘管等級不同，其他搜尋模式也可以使用相同的操作。

- 1 按 **Q/ENTER** 啟動選單選擇模式。
 - 2 旋轉 **Double Action encoder** 以選擇 “Artists”，然後按 **Q/ENTER**。
啟動歌手搜尋模式，並顯示歌手姓名。
 - 3 旋轉 **Double Action encoder** 以選擇想要的歌手，然後按 **Q/ENTER**。
啟動專輯搜尋模式，並顯示專輯名稱。
按住 **Q/ENTER** 至少 2 秒鐘將播放所選歌手的全部歌曲。
 - 4 旋轉 **Double Action encoder** 以選擇專輯，然後按 **Q/ENTER**。
啟動歌曲搜尋模式，並顯示歌曲名稱。
按住 **Q/ENTER** 至少 2 秒鐘將播放所選專輯的全部歌曲。
 - 5 旋轉 **Double Action encoder** 以選擇歌曲，然後按 **Q/ENTER**。
會播放所選的歌曲。
- 如果您在搜尋模式中按住 **↵** 至少 2 秒鐘，搜尋模式將被取消。
 - 在搜尋模式中，按 **↵** 返回先前的模式。
 - 如果在播放清單搜尋模式中選擇 iPod/iPhone 的名稱且按下 **Q/ENTER**，便可搜尋 iPod/iPhone 中的所有歌曲。如果按住 **Q/ENTER** 至少 2 秒鐘，iPod/iPhone 中的所有歌曲從第一首列出歌曲開始播放。
 - 當文字資訊與 iDA-X305S 不相容時，將顯示 “No Support”。
 - 顯示清單時，您可以使用頁面搜尋、百分比搜尋或字母搜尋功能。如需詳細資訊，請參閱“頁面搜尋功能 / 百分比搜尋功能 / 字母搜尋功能”（第 11 頁）。
 - 在搜尋模式中，如果選擇全部並按 **Q/ENTER**，可以搜尋下一個等級中的所有標題。如果選擇全部，並按住 **Q/ENTER** 至少 2 秒鐘，便會重複播放所選等級中的所有標題。

頁面搜尋功能 / 百分比搜尋功能 / 字母搜尋功能

本機提供有效搜尋的頁面搜尋 / 百分比搜尋 / 字母搜尋功能。當您在搜尋模式中使用此功能時，即可快速搜尋歌手或歌曲等。

1 重複按 **[F] (FUNCTION/SETUP)** 以選擇想要的模式。

原廠設定為頁面搜尋功能。

頁面搜尋功能 → 字母搜尋功能 →

百分比搜尋功能 → 頁面搜尋功能

頁面搜尋功能：按頁搜尋清單。

字母搜尋功能：字母搜尋功能會搜尋下一個字母，例如從 A 到 B，從 B 到 C。

您可以將 **Double Action encoder** 向左旋轉，以相反順序搜尋，如從 B 到 A。

百分比搜尋功能：例如，100 首歌曲儲存在 iPod/iPhone 中。這 100 首歌曲分為 10 組 (0%, 10%, ... 90%)。

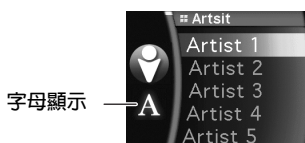
2 按著 **Double Action encoder** 的外圈並往左或往右旋轉。

清單會搜尋下一頁、下一個字母或百分比。

■ 百分比搜尋顯示範例



■ 字母搜尋顯示範例



- 如果您按住 **Double Action encoder** 並向左或向右轉，您便可持續變更顯示。
- 清單順序視 iPod/iPhone 設計而定。

搜尋位置記憶

播放 iPod/iPhone 檔案時，您可以一次一個等級而快速返回所選等級。

按 **[↶]**。

顯示搜尋模式中最近選擇的等級。

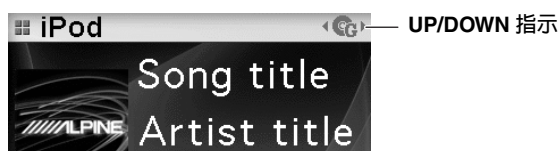
重複按下即可返回上一等級直至最高等級。

Up/Down 功能

如果您在搜尋模式中選擇某專輯且按住 **Q/ENTER**，便會重複播放此專輯。若要先到前或下一張專輯，請使用 Up/Down 功能。

■ 指示顯示

UP/DOWN 指示的顯示幕顯示可選擇的項目。



	播放清單
	歌手
	專輯
	Podcast
	有聲書
	音樂風格
	作曲者

按著 **Double Action encoder** 的外圈並往左旋轉。
返回先前項目。

按著 **Double Action encoder** 的外圈並往右旋轉。
前進到下一項目。

- 如果不進行搜尋，便無法使用此功能。
- 如果要搜尋某歌曲，便無法進行此操作。
- 在搜尋歌手時，可播放此歌手的專輯。
- 如果在搜尋歌手時選擇專輯，可使用 Up/Down 功能來播放此歌手的其他專輯。

隨機播放 Shuffle

1 按 **[F] (FUNCTION/SETUP)**。

顯示功能畫面。

2 旋轉 **Double Action encoder** 以選擇 “Shuffle”，然後按 **Q/ENTER**。

Shuffle 模式啟動。

3 旋轉 **Double Action encoder** 以選擇隨機播放模式，然後按 **Q/ENTER**。

Shuffle Album : iPod/iPhone 中的專輯隨機選擇，並且依專輯歌曲順序播放。

Song : 如果在搜尋模式中選擇歌曲，選擇模式中的所有歌曲將隨機播放。

Off : 關閉隨機播放模式。

4 按 **[↶]**。

歌曲將以隨機順序播放。

- 若要取消，選擇以上方法中的 Off。
- 隨機播放專輯 / 隨機播放歌曲的作用與 iPod/iPhone 隨機播放專輯 / 隨機播放歌曲相同。


隨機播放 Shuffle All


Shuffle ALL 將隨機播放 iPod/iPhone 中的所有歌曲。

- 1 按 **Q/ENTER**。
出現選單選擇畫面。
 - 2 選擇 “Shuffle All” 時按 **Q/ENTER**。
指示 **ALL** 亮起，歌曲將以隨機順序播放。
- 若要取消，將隨機播放模式設定為關閉。請參閱 “隨機播放 Shuffle” (第 11 頁)。
 - 如果選擇 Shuffle All，則在搜尋模式中正在播放的所選歌曲將被取消。

重複播放

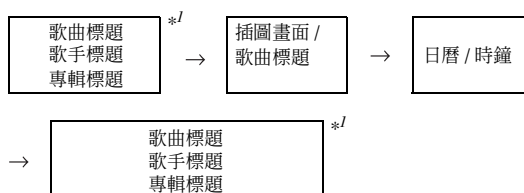
- 1 按 **F (FUNCTION/SETUP)**。
顯示功能畫面。
- 2 按 **Q/ENTER**。
重複模式啟動。
- 3 旋轉 **Double Action encoder** 以選擇 “Song”，然後按 **Q/ENTER**。

Repeat Song  : 重複播放一首歌曲。
Off : 關閉重複播放模式。

- 4 按 。
重複播放該首歌曲。
- 若要取消，選擇以上方法中的 Off。
 - 顯示可以設定的隨機與重複指示，僅重複一首歌曲。

變更顯示

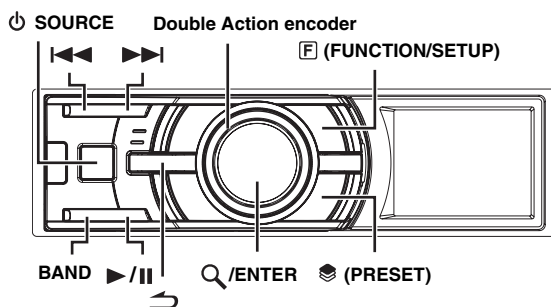
按  **VIEW**。



*¹ TAG 資訊
如果沒有文字資訊，不會顯示任何內容。

- 只能顯示字母與數字字元。
- 字元數最多為 128 (128 位元組)。
- 有些字元可能無法正常顯示。
- 當文字資訊與 iDA-X305S 不相容時，將顯示 “No Support”。

USB 記憶體 / 隨身音樂播放器 / 換碟機



如果 USB 記憶體裝置、隨身音樂播放器或換碟機與本機連接，可播放 MP3/WMA/AAC 檔案。

如何看顯示器

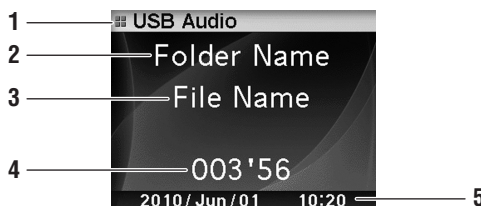
USB 記憶體 / 隨身音樂播放器顯示

USB 記憶體/隨身音樂播放器畫面顯示範例 (如果有標記資訊)



- 1 模式顯示
- 2 歌曲標題
- 3 歌手標題
- 4 專輯標題
- 5 已播放時間
- 6 日曆 / 時間

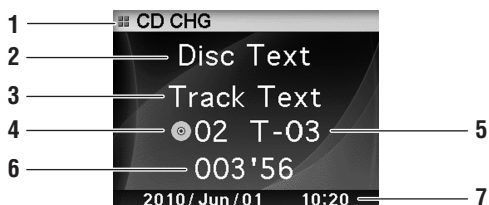
USB 記憶體 / 隨身音樂播放器畫面顯示範例 (如果沒有標記資訊)



- 1 模式顯示
- 2 資料夾名稱 *¹
- 3 檔案名稱
- 4 已播放時間
- 5 日曆 / 時間

換碟機顯示

< 換碟機 CD 畫面顯示範例（如果有 CD 文字）>



- 1 模式顯示
- 2 CD 文字（光碟名稱）*²
- 3 CD 文字（曲目名稱）*²
- 4 光碟編號
- 5 曲目編號
- 6 已播放時間
- 7 日曆 / 時間

< 換碟機 CD 畫面顯示範例（如果沒有 CD 文字）>



- 1 模式顯示
- 2 光碟編號
- 3 曲目編號
- 4 已播放時間
- 5 音量
- 6 日曆 / 時間

< 換碟機 MP3 畫面顯示範例（如果有標記資訊）>



- 1 模式顯示
- 2 歌曲標題
- 3 歌手標題
- 4 專輯標題
- 5 已播放時間
- 6 日曆 / 時間

< 換碟機 MP3 畫面顯示範例（如果沒有標記資訊）>



- 1 模式顯示
- 2 資料夾名稱 *¹
- 3 檔案名稱
- 4 光碟編號
- 5 資料夾編號
- 6 檔案編號
- 7 已播放時間
- 8 日曆 / 時間

*¹ 關於資料夾名稱顯示，沒有資料夾名稱的根目錄資料夾顯示為“ROOT”。

*² 在播放具有 CD 文字的光碟時顯示。

- ID3 標記 / WMA 標記
如果 MP3/WMA/AAC 檔案含有 ID3 標記 / WMA 標記資訊，則將顯示 ID3 標記 / WMA 標記資訊。
- 標記資訊顯示優先。如果有標記資訊，不會顯示資料夾 / 檔案名稱。
- 當文字資訊與 iDA-X305S 不相容時，將顯示 “No Support”。

播放

1 按 **SOURCE** 選擇 “USB Audio” 或 “CD CHG” 模式。

2 按 **◀◀** 或 **▶▶** 選擇想要的曲目（檔案）。

返回當前曲目（檔案）的開頭：

按 **◀◀**。

快退：

按住 **◀◀**。

進到下一曲目（檔案）的開頭：

按 **▶▶**。

快進：

按住 **▶▶**。

- 連接隨身音樂播放器時，無法使用快進 / 快退。

3 若要暫停播放，按 **▶/||**。

再次按 **▶/||** 將恢復播放。



- 播放 VBR（可變位元率）錄製的檔案時，播放時間可能無法正確顯示。

選擇光碟（換碟機）（選購）

如果選購的 6 片或 12 片 CD 換碟機與 Ai-NET 相容，可連接至本機。將 CD 換碟機連接至本機的 Ai-NET 輸入，可用本機控制 CD 換碟機。


使用 KCA-410C（多功能連結端子），本機可控制多台換碟機。請參閱第 14 頁的“多台換碟機選擇（選購）”以選擇 CD 換碟機。

- 僅當連接了 CD 換碟機時，才可以操作本機的 CD 換碟機控制器。
- DVD 換碟機（選購）也可以像 CD 換碟機一樣透過本機控制。

- 1 按  (**PRESET**)。
出現光碟選擇畫面。
- 2 旋轉 **Double Action encoder** 以選擇光碟。
- 3 按  /**ENTER**。
顯示中會出現所選擇的光碟編號且開始播放 CD/MP3。

多台換碟機選擇（選購）

使用 KCA-410C（多功能連結端子）時，您可以連接兩台換碟機與兩個外接輸出（AUX）。

- 1 按本機的  **SOURCE** 啟動“CD CHG”模式。
 - 2 按 **BAND** 啟動 CD 換碟機選擇模式。
CD 換碟機選擇模式可維持幾秒鐘。
 - 3 按 **BAND** 直至想要的 CD 換碟機出現在畫面上。
- 使用 KCA-410C 時，有關外接輸入（AUX）的詳細資訊，請參閱第 20 頁的“設定 AUX 模式（V-Link）”。

選擇想要的資料夾（Folder up/down）（MP3/WMA/AAC）



按著 **Double Action encoder** 的外圈並往左旋轉。
返回先前資料夾。

按著 **Double Action encoder** 的外圈並往右旋轉。
前進到下一資料夾。



播放所選資料夾中的第一個檔案。

- 在 USB 記憶體和隨身音樂播放器播放 M.I.X. 時，便無法進行此操作。




重複播放

- 1 按  (**FUNCTION/SETUP**)。
顯示功能畫面。
- 2 按  /**ENTER**。
重複播放模式啟動。
- 3 旋轉 **Double Action encoder** 以選擇重複播放模式。




USB 記憶體 / 隨身音樂播放器模式：



- | | | |
|------------|---|------------------|
| Repeat One |  | ：僅重複播放一首曲目。 |
| Folder |  | ：僅重複播放一個資料夾中的檔案。 |
| Off | | ：關閉重複播放模式。 |

CD 換碟機模式：

- | | | |
|------------|---|------------------|
| Repeat One |  | ：僅重複播放一個檔案。 |
| Folder * |  | ：僅重複播放一個資料夾中的檔案。 |
| Disc |  | ：重複播放一張光碟。 |
| Off | | ：關閉重複播放模式。 |

* 當連接了與 MP3 相容的 CD 換碟機時。




- 當以 CD 換碟機模式進行 M.I.X. One 播放時，如果重複光碟的設定為 ON，M.I.X. 僅會套用在當前的光碟上。
顯示中出現指示    。

- 4 按  /**ENTER**。
 - 5 按 。
曲目（檔案）將重複播放。
- 若要取消，選擇以上方法中的 Off。






M.I.X. (隨機播放)

- 1 按 **F (FUNCTION/SETUP)**。
顯示功能畫面。
- 2 旋轉 **Double Action encoder** 以選擇 **M.I.X.**。
- 3 按 **Q/ENTER**。
M.I.X. 模式啟動。
- 4 旋轉 **Double Action encoder** 以選擇 **M.I.X.** 播放模式。

USB 記憶體 / 隨身音樂播放器模式：

- M.I.X. Folder   : 只有一個資料夾中的檔案以隨機順序播放。
- All  **ALL** : USB 記憶體 / 隨身音樂播放器中的所有歌曲以隨機順序播放。
- Off : 關閉 M.I.X. 模式。

CD 換碟機模式：


- M.I.X. One  : 光碟內的所有檔案會以隨機順序播放，並且播放會切換到下一張光碟。
- Folder ^{*1}   : 只有一個資料夾中的檔案以隨機順序播放。
- All ^{*2}   : 當前光碟匣裡的所有 CD 曲目將會以隨機順序播放。
- Off : 關閉 M.I.X. 模式。

^{*1} 當連接了與 MP3 相容的 CD 換碟機時。

^{*2} 當連接了具有 ALL M.I.X. 功能的 CD 換碟機時。

- 當以 CD 換碟機模式進行重複光碟播放時，如果 M.I.X. One 的設定為 ON，M.I.X. 僅會套用在當前的光碟上。

- 5 按 **Q/ENTER**。


- 6 按 .

曲目 (檔案) 將以隨機順序播放。

- 若要取消，選擇以上方法中的 Off。

搜尋 CD 曲目編號 (僅適用於 CD 換碟機)

您可以使用曲目編號來搜尋某歌曲。

- 1 在播放過程中按 **Q/ENTER**。
此步驟能設定為搜尋模式。
 - 2 旋轉 **Double Action encoder** 以選擇想要的曲目，然後按 **Q/ENTER**。
此步驟能播放所選的曲目。
- 在搜尋模式按  即可取消。
 - 選擇清單的過程中，如果您按著 **Double Action encoder** 的外圈並往左或往右旋轉，便能逐屏更換清單畫面。如果您按住 **Double Action encoder** 並向左或向右轉，便可持續變更清單畫面。
 - 在 M.I.X. 播放中無法進行 CD 曲目編號搜尋。

檔案 / 資料夾名稱搜尋 (關於 MP3/WMA/AAC)

您可以在聆聽當前播放檔案時顯示與搜尋資料夾與檔案名稱。

USB 記憶體模式

- 1 在播放 MP3/WMA/AAC 的過程中，按 **Q/ENTER** 以啟動搜尋模式。
啟動搜尋模式，並顯示資料夾 / 檔案名稱。
- 2 旋轉 **Double Action encoder** 以選擇想要的資料夾 / 檔案。
- 3 按 **Q/ENTER**。
如果選擇檔案，會播放所選的檔案。
如果選擇資料夾，會顯示資料夾中的資料夾 / 檔案。進行步驟 4。
- 4 重複執行步驟 2 和 3，直到找到想要的檔案。



隨身音樂播放器模式

如果是由 Windows Media Player (版本 10、11) 同步化隨身音樂播放器，請進行以下步驟。

- 1 按 **Q/ENTER** 啟動搜尋模式。
啟動搜尋模式。
- 2 旋轉 **Double Action encoder** 以選擇 “Music” 或 “Albums” 或 “Playlists”，然後按 **Q/ENTER**。
如果選擇 “Music”，就會顯示歌手姓名清單。進行步驟 3。
如果選擇 “Albums”，請進行步驟 4-1。
如果選擇 “Playlists”，請進行步驟 4-2。
- 3 旋轉 **Double Action encoder** 以選擇想要的歌手，然後按 **Q/ENTER**。
會顯示所選歌手的專輯清單。進行步驟 4-1。
- 4-1 旋轉 **Double Action encoder** 以選擇想要的專輯，然後按 **Q/ENTER**。
會顯示所選專輯的歌曲清單。
- 4-2 旋轉 **Double Action encoder** 以選擇想要的播放清單，然後按 **Q/ENTER**。
會顯示所選播放清單的歌曲清單。
- 5 旋轉 **Double Action encoder** 以選擇想要的歌曲，然後按 **Q/ENTER**。
會播放所選的歌曲。

MP3 換碟機模式

- 1 在播放 MP3 的過程中，按 **Q/ENTER** 以啟動資料夾搜尋模式。
啟動搜尋模式，並顯示資料夾名稱。
- 2 旋轉 **Double Action encoder** 以選擇想要的資料夾，然後按 **Q/ENTER**。
會顯示所選資料夾的檔案名稱。
- 3 旋轉 **Double Action encoder** 以選擇想要的檔案，然後按 **Q/ENTER**。
會播放所選的檔案。

- 如果連接USB 記憶體，最多可以搜尋第八個等級的資料夾/ 檔案。無法搜尋與播放第九個等級以後的資料夾/ 檔案。
- 在搜尋模式下按住  至少 2 秒鐘即可取消。
- 在搜尋模式中，按  切換到先前的模式。
- 選擇清單的過程中，如果您按著 **Double Action encoder** 的外圈並往左或往右旋轉，便能逐屏更換清單畫面。如果您按住 **Double Action encoder** 並向左或向右轉，便可持續變更清單畫面。
- 在 M.I.X. 播放中無法進行檔案/ 資料夾名稱搜尋。
- 如果資料夾沒有任何檔案，不會顯示任何內容。
- 沒有資料夾名稱的根目錄資料夾顯示為 “ROOT”。
- 如果連接隨身音樂播放器，且只有建立播放清單而已，便只會顯示 “Playlists”。
- 如果使用 USB 大量儲存功能（未由 Windows Media Player 同步化）連接隨身音樂播放器，請參閱連接 USB 記憶體時的搜尋操作說明。請同時參閱第 4 頁。

關於 MP3/WMA/AAC

注意

除了用於個人用途，版權法和國際公約嚴禁未經版權所有者同意複製音訊資料（包括 MP3/WMA/AAC 資料），或對其進行分發、傳送或拷貝，無論免費或收費。

何謂 MP3？

MP3，其正式名稱是 “MPEG-1 Audio Layer 3”，是一種由 ISO（國際標準化組織）和 IEC 下的一個聯合執行機構 MPEG 規定的壓縮標準。

MP3 檔案含有壓縮的音訊資料。MP3 編碼能夠以極高比例壓縮音訊資料，將音樂檔案的尺寸減小到原來的十分之一。同時，音質仍保持接近 CD 的水平。MP3 格式透過去除人耳無法聽到的或被其他聲音掩蓋的聲音來實現如此高的壓縮率。

何謂 AAC？

AAC 是 “Advanced Audio Coding” 的縮寫，也是 MPEG2 或 MPEG4 規定的音訊壓縮基本格式。

何謂 WMA？

WMA 或 “Windows Media™ Audio” 是壓縮的音訊資料。WMA 與 MP3 音訊資料類似，接近 CD 的音質，但檔案較小。

建立 MP3/WMA/AAC 檔案的方法

可使用 MP3/WMA/AAC 指定軟體壓縮音訊資料。有關建立 MP3/WMA/AAC 檔案的詳細資訊，請參閱該軟體的用戶手冊。本機可以播放的 MP3/WMA/AAC 副檔名如下所示：

MP3：“.mp3”

WMA：“.wma”（支援 7.1, 8, 9, 9.1, 9.2 版本）

AAC：“.m4a”

WMA 不支援以下檔案：Windows Media Audio Professional、Windows Media Audio 9 Voice 或 Windows Media Audio 9 Pro Lossless。

視用於建立 AAC 的軟體而定，檔案格式可能與副檔名不同。本機支援播放以版本 7.7 的 iTunes 編碼的 AAC 檔案。

支援的播放取樣頻率和位元率

MP3

取樣頻率：48 kHz，44.1 kHz，32 kHz，24 kHz，22.05 kHz，16 kHz，12 kHz，11.025 kHz，8 kHz

位元率：16 - 320 kbps

WMA

取樣頻率：48 kHz，44.1 kHz，32 kHz，24 kHz，22.05 kHz，16 kHz

位元率：16 - 320 kbps

AAC

取樣頻率：48 kHz，44.1 kHz

位元率：16 - 320 kbps

視取樣頻率而定，本機可能無法正確播放。

ID3 標記 /WMA 標記

本機支援 ID3 標記 v1 和 v2.2.0、v2.3.0，及 WMA 標記。以下檔案不支援壓縮、編碼、編組或非同步化。

若標記資料在 MP3/WMA/AAC 檔案中，本機便可顯示標題（曲目標題）、歌手姓名和專輯名稱的 ID3 標記 /WMA 標記資料。

本機僅能顯示單位元組的字母與數字字元以及下劃線。對於不支援的字元，則顯示 “No Support”。

視內容而定，標記資訊可能無法正確顯示。

播放 MP3/WMA/AAC

準備好 MP3/WMA/AAC 檔案後，寫入 USB 記憶體。或者使用 Windows Media Player（版本 10 或 11）同步化 MP3/WMA 檔案，然後傳送至隨身音樂播放器。

USB 記憶體裝置最多可以容納 10000 個檔案 /1000 個資料夾（包括根目錄資料夾）。如果 USB 記憶體 / 隨身音樂播放器裝置超出上述限制，可能無法進行播放。

支援的媒體

本機可播放 USB 記憶體 / 隨身音樂播放器媒體。

相應的檔案系統

本機支援 FAT 12/16/32。

術語

位元率

這是為編碼而規定的“聲音”壓縮比。位元率越高，音質越好，但檔案也越大。

取樣頻率

本值表示每秒對資料取樣（錄製）的次數。例如，音樂 CD 採用 44.1 kHz 的取樣頻率，因此每秒對聲音取樣（錄製）44100 次。取樣率越高，音質越好，但資料量也越大。

編碼

將音樂 CD、WAVE（AIFF）檔案和其他聲音檔案轉換為指定的音訊壓縮格式。

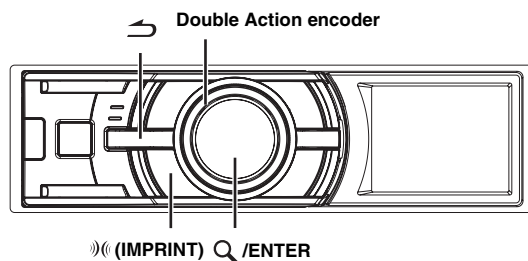
標記

寫入 MP3/WMA/AAC 檔案的歌曲資訊，比如曲目標題、歌手姓名和專輯名稱等。

根目錄資料夾

檔案系統的頂部可找到根目錄資料夾。根目錄資料夾包括全部資料夾和檔案。

聲音設定



如果連接外部或 IMPRINT 音訊處理器，就不會顯示聲音設定畫面。關於外接音訊處理器，請參閱“設定”（第 19 頁）的“音訊設定”（第 22 頁）以調整聲音。關於 IMPRINT 音訊處理器，請參閱“IMPRINT 操作方式（選購）”（第 23 頁）以調整聲音。

調節重低音 / 低音 / 高音 / 平衡（左右之間） / 衰減（前後之間） / 響度 / 清除

1 重複按 (IMPRINT) 以選擇想要的模式。

每按一次，模式如下改變：

Subwoofer*1 → Bass Level → Treble Level → Balance → Fader → Loudness → Defeat → Volume → Subwoofer

重低音：00 ~ 15

低音等級：-7 ~ +7

高音等級：-7 ~ +7


平衡：左 15 ~ 右 15

衰減：後 15 ~ 前 15

響度：ON/OFF

清除：ON/OFF

音量：- ∞ ~ 0 dB

- 響度功能可強調低音音量的低高頻率。此功能可彌補耳朵無法靈敏聽見低音與高音音質的不足。此功能在 Defeat 設為 ON 時無法使用。
- Defeat 設為 ON 時，之前調整的低音、高音和高通濾波器設定會返回原廠預設值。
- 如果在選擇 Subwoofer、Bass、Treble、Balance 或 Fader 模式後的 15 秒內，未按下  (IMPRINT)，本機就會自動返回正常模式。

*1 當重低音揚聲器模式設定為 OFF 時，其音量電平不能調節。

2 旋轉 Double Action encoder 直到出現各模式想要的聲音為止。

- 視連接的裝置而定，某些功能無法運作。
- 在完成後，您可以儲存平衡 / 衰減 / 響度設定的內容。關於如何儲存，請參閱“儲存音訊調節音量（User Preset）”（第 22 頁）。





設定低音控制

您可以變更所強調的低音頻率以創造您自己喜歡的音調。



- 1 按住  (**IMPRINT**) 至少 2 秒鐘。
出現聲音設定畫面。

- 2 按  / **ENTER**。
啓動低音調節設定模式。



設定低音中心頻率

- 3 按  / **ENTER**。
出現 Fo 設定畫面。
- 4 按  / **ENTER**。
- 5 旋轉 **Double Action encoder** 以選擇想要的低音中心頻率，然後按  / **ENTER**。
60 Hz ↔ 80 Hz ↔ 100 Hz ↔ 200 Hz
增強所顯示的低音頻率範圍。
- 6 按  返回低音調節模式。

設定低音頻寬








- 3 旋轉 **Double Action encoder** 以選擇 “Q”，然後按  / **ENTER**。
出現 Q 設定畫面。
- 4 按  / **ENTER**。
- 5 旋轉 **Double Action encoder** 以選擇想要的低音頻寬。
1 ↔ 1.25 ↔ 1.5 ↔ 2

將被增強的低音頻寬改為較寬或較窄。較寬的設定將使中心頻率值上方或下方寬廣範圍內的頻率得到增強。較窄的設定將只能使中心頻率值附近的頻率得到增強。

- 6 按  返回低音調節模式。
 - 如果在設定時按 ，本機返回先前的項目。
 - 此功能在 **Defeat** 設為 **ON** 時無法使用。
 - 您可以調整正常模式的低音音量。如需詳細資訊，請參閱“調節重低音 / 低音 / 高音 / 平衡（左右之間） / 衰減（前後之間） / 響度 / 清除”（第 17 頁）。
 - 設定後，建議在本機上儲存設定內容。如需詳細資訊，請參閱“儲存音訊調節音量（User Preset）”（第 22 頁）。
 - 每個音源（FM、AM、CD 等）各自記憶低音音量設定，直到設定變更為止。對一個音源的低音頻率和低音頻寬調整的設定也對所有其他音源（FM、AM、CD 等）有效。

設定高音控制

您可以變更所強調的高音頻率以創造您自己喜歡的音調。

- 1 按住  (**IMPRINT**) 至少 2 秒鐘。
出現聲音設定畫面。
- 2 旋轉 **Double Action encoder** 以選擇 “Treble Adjustment”，然後按  / **ENTER**。
- 3 按  / **ENTER**。
出現 Fo 設定畫面。
- 4 按  / **ENTER**。
- 5 旋轉 **Double Action encoder** 以選擇想要的高音中間頻率，然後按  / **ENTER**。
10 kHz ↔ 12.5 kHz ↔ 15 kHz ↔ 17.5 kHz
增強所顯示的高音頻率範圍。
- 6 按住  至少 2 秒鐘將返回正常模式。
 - 如果在設定時按 ，本機返回先前的項目。
 - 此功能在 **Defeat** 設為 **ON** 時無法使用。
 - 您可以調整正常模式的高音音量。如需詳細資訊，請參閱“調節重低音 / 低音 / 高音 / 平衡（左右之間） / 衰減（前後之間） / 響度 / 清除”（第 17 頁）。
 - 設定後，建議在本機上儲存設定內容。如需詳細資訊，請參閱“儲存音訊調節音量（User Preset）”（第 22 頁）。

調節高通濾波器

您可調節本機的高通濾波器以符合自己的風格品味。

- 1 按住 **IMPRINT** 至少 2 秒鐘。
出現聲音設定畫面。
- 2 旋轉 **Double Action encoder** 以選擇 “High Pass Filter Adjustment”，然後按 **Q/ENTER**。
- 3 旋轉 **Double Action encoder** 以選擇想要的 HPF 頻率，然後按 **Q/ENTER**。
80 Hz ↔ 120 Hz ↔ 160 Hz ↔ off
- 4 按 **返回** 返回正常模式。

- 如果在設定時按 **返回**，本機返回先前的項目。
- 此功能在 Defeat 設為 ON 時無法使用。
- 設定後，建議儲存設定內容。關於如何儲存，請參閱 “儲存音訊調節音量 (User Preset)” (第 22 頁)。

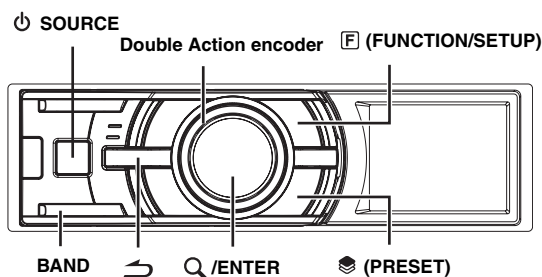
開啓 / 關閉重低音揚聲器

如果本機連接了選購的重低音揚聲器，進行以下設定。
開啓重低音揚聲器時，您即可調節重低音揚聲器輸出等級。(請參閱第 17 頁)。

- 1 按住 **IMPRINT** 至少 2 秒鐘。
出現聲音設定畫面。
 - 2 旋轉 **Double Action encoder** 以選擇 “Subwoofer”，然後按 **Q/ENTER**。
 - 3 旋轉 **Double Action encoder** 以選擇 ON/OFF，然後按 **Q/ENTER**。
 - 4 按 **返回** 返回正常模式。
- 如果在設定時按 **返回**，本機返回先前的項目。
 - 您可以設定正常模式的重低音輸出音量。請參閱 “調節重低音 / 低音 / 高音 / 平衡 (左右之間) / 衰減 (前後之間) / 響度 / 清除” (第 17 頁)。
 - 您可以在 **SETUP** 模式中設定重低音揚聲器系統。請參閱 “設定重低音揚聲器 (Subwoofer System)” (第 22 頁)。

設定

您可以按自己的偏好和用途而靈活使用本機 **SETUP** 選單。選擇一般、顯示等設定來進行想要的變更。



遵照步驟 1~5 而選擇要變更的項目。請參閱步驟 5 之後的個別項目說明以了解細節。

- 1 按住 **FUNCTION/SETUP** 至少 2 秒鐘啓動 **SETUP** 選擇模式。
- 2 旋轉 **Double Action encoder** 以選擇想要的項目，然後按 **Q/ENTER**。
BLUETOOTH ↔ General ↔ Display ↔ iPod ↔ Audio
(例如選擇 General)
- 3 旋轉 **Double Action encoder** 以選擇設定項目，然後按 **Q/ENTER**。
(例如選擇 Beep)

BLUETOOTH :
BLUETOOTH IN

General :
Clock Mode ↔ Clock Adjust*¹ ↔ Calendar Type ↔ Play Mode
↔ Beep ↔ Int Mute ↔ Int Audio ↔ CHG Name*² ↔ AUX IN
↔ AUX+ ↔ AUX Name*³ ↔ AUX+ IN GAIN*⁴ ↔ Power IC ↔
Language ↔ Demo

Display :
Illumination ↔ Dimmer ↔ Dimmer Level ↔ Text Scroll ↔
BGV Select ↔ BGV Color ↔ BGV Download

iPod :
Playlists ↔ Artists ↔ Albums ↔ Podcasts ↔ Audiobooks
↔ Genres ↔ Composers ↔ Songs

Audio*⁵ :
User Preset ↔ MX*⁶ ↔ Subwoofer*⁶ ↔ Subwoofer System*⁷
↔ MX Level Adjustment*^{6,8}

*¹ 請參閱 “設定時間與日曆” (第 7 頁)。

*² 僅當連接換碟機時可以進行設定。

*³ 僅當 AUX IN 設定為 ON 時可以進行設定。

*⁴ 僅當 AUX+ 設定為 ON 時可以進行設定。

*⁵ 如果連接 **IMPRINT** 音訊處理器，您便可更詳細進行音訊設定。
詳情請參閱 “**IMPRINT** 操作方式 (選購)” (第 23 頁)。

*⁶ 僅當連接外接音訊處理器時可以進行調整。請參閱外接音訊處理器的用戶手冊。

*⁷ 僅當重低音揚聲器設為 ON 時可使用此設定。

*⁸ 僅當 MX 設為 ON 時可使用此設定。

- 4 旋轉 **Double Action encoder** 以更改設定，然後按 **Q/ENTER**。
(例如選擇 Beep On 或 Beep Off。)

- 5 按住 **↶** 2 秒鐘將返回正常模式。

- 在過程中按 **↶** 返回先前的模式。
- 設定的過程中，如果您按著 **Double Action encoder** 的外圈並往左或往右旋轉，便能逐頁更換設定項目選擇畫面。如果您按住 **Double Action encoder** 並向左或向右轉，便可持續逐頁變更設定項目選擇畫面。

BLUETOOTH 設定

從上述步驟 2 的設定主選單中選擇“BLUETOOTH”。
如果連接了選購的藍芽介面 (KCE-400 BT)，您可以利用配備藍芽的手機撥打免持電話。
當連接了藍芽介面並使用藍芽功能時，進行此設定。詳情請參閱選購藍芽介面的用戶手冊。

- 當 Int Mute 設定為 On 時，無法進行藍芽設定。當連接藍芽介面時，將 Int Mute 設定為 Off。請參閱“開啓/關閉靜音模式 (Int Mute)” (第 20 頁)。

設定 BLUETOOTH 連線 (BLUETOOTH IN)

BLUETOOTH IN Adapter / BLUETOOTH IN Off (初始設定)

一般設定

從步驟 2 的設定主選單中選擇“General”。

設定時鐘顯示 (Clock Mode)

24H Type / 12H Type (初始設定)

您可以視個人的喜好，選擇時鐘顯示的類型，12 小時制或 24 小時制。

日曆顯示樣式切換設定 (Calendar Type)

M/D/Y (初始設定) / **D/M/Y / Y/M/D**

您可以切換顯示時間時所顯示的日曆顯示樣式。

Y : 顯示年
M : 顯示月
D : 顯示日

例如 M/D/Y → Dec/31/2008

連接 MP3 換碟機 (Play Mode)

CDDA (初始設定) / **CDDA & MP3**

連接 MP3 換碟機時，執行此設定。MP3 換碟機可以播放包含 CD 和 MP3 資料的 CD。但是，在有些情況下 (某些增強型 CD)，可能難以播放。在這些情況下，可以選擇僅播放 CD 資料。當光碟同時含有 CD 和 MP3 資料時，將從光碟的 CD 資料部分開始播放。

CDDA : 僅能播放 CD 資料。

CDDA & MP3 : 可以播放 CD 資料和 MP3 檔案曲目。

- 執行此設定後更換光碟。

聲音 (Beep) 指示功能

Beep On (初始設定) / **Beep Off**

視按下的按鈕而定，此功能將給予各種聽得見的聲調反饋。

開啓/關閉靜音模式 (Int Mute)

Int Mute On (初始設定) / **Int Mute Off**

如果連接了具有中斷功能的裝置，當裝置接收到中斷訊號時，音訊將會自動靜音。

- 當 BLUETOOTH 設定為 Adapter 時，無法設定 Int Mute。請參閱“設定 BLUETOOTH 連線 (BLUETOOTH IN)” (第 20 頁)。
- 當連接藍芽介面時，將 Int Mute 設定為關閉。

設定外接裝置的音調清除 (Int Audio)

Int Audio On / Int Audio Off (初始設定)

將外接裝置輸入本機時，開啓音調清除會繞過低音頻率、高音頻率、高通濾波器，即外接裝置的聲音以預設設定輸出。

設定換碟機名稱 (CHG Name)

CHG (初始設定) / **PMD**

當連接了選購的換碟機時，可以設定顯示模式名稱。

- 僅當連接換碟機時可以進行設定。當連接了兩台換碟機時，顯示 CHG1 名稱/CHG2 名稱，而且可以分別進行設定。

設定 AUX 模式 (V-Link)

AUX IN On / AUX IN Off (初始設定)

您可以將選購的多功能連結端子 (KCA-410C) 連接到此部件上，輸入電視/視訊的聲音。

當 AUX IN 設定為開啓時，您可以改變 AUX 名稱顯示。當 AUX IN 設定為開啓時，旋轉 **Double Action encoder** 以選擇“AUX 名稱”模式，然後按 **Q/ENTER**。

然後，旋轉 **Double Action encoder** 以選擇想要的 AUX 名稱，然後按 **Q/ENTER**。

如果連接了 KCA-410C，可選擇兩個 AUX 名稱。

- 透過 KCA-410C，最多可連接 2 個具有 RCA 輸出的外接裝置。此時，按 **⏻** **SOURCE** 選擇 AUX 模式，然後按 **BAND** 選擇想要的裝置。

設定 AUX+ 模式

AUX+ On / AUX+ Off (初始設定)

您可以將外接裝置 (如隨身音樂播放器) 的音訊輸入本機的藍芽介面連接器。需要特定的轉換電纜 (KCE-237B) 才能將藍芽介面連接器作為 AUX IN。

AUX+ On : 連接外接裝置時，請設為開啓。如果按下 **⏻** **SOURCE** 且選擇 Auxiliary+，便可將外接裝置的聲音輸入至本機。

AUX+ Off : 連接藍芽介面時請設為 Off。

AUX+ 音訊音量調節 (AUX+ IN GAIN)

High (初始設定) / **Low**

Low : 降低外接輸入音訊音量。

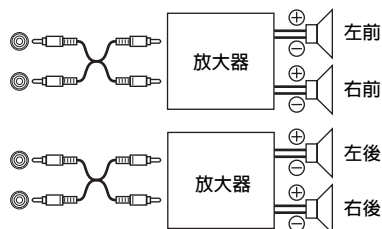
High : 增加外接輸入音訊音量。

連接外接放大器 (Power IC)

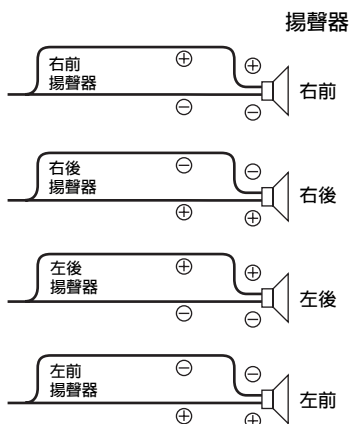
Power IC On (初始設定) / Power IC Off

與外接放大器相連時，可以經由停止對內建放大器供電來改善音質。

Power IC Off：當使用本機的前後置放大器來驅動與揚聲器相連的外接放大器時，請使用此模式。在此設定中，主機的內部放大器未輸出至驅動揚聲器。



Power IC On：揚聲器由內建放大器驅動。



- 當電源輸出設定為 OFF 時系統不會輸出聲音。

設定語言 (Language)

For US / For EU1 / For EU2 / For Japan / Other (初始設定)

設定在本機上顯示的語言。設定為 “Other” 以使用此設定。

For US：	英文、法文、西班牙文
For EU1：	俄文、英文
For EU2：	英文、德文、法文、西班牙文、意大利文、瑞典文、葡萄牙文
For Japan：	日文、英文
Other：	中文（標準中文）、英文

演示 (Demo)

Demo On / Demo Off (初始設定)

本機有顯示幕演示功能。

- 若要退出演示模式，請設定為 Demo Off。

顯示設定

從步驟 2 的設定主選單中選擇 “Display”。

改變燈光顏色 (Illumination)

Illumination Blue (初始設定) / Illumination Red

您可以改變按鈕的燈光顏色。

調光器控制 (Dimmer)

Dimmer On / Dimmer Off (初始設定)

將 Dimmer control 設定為 On，汽車的頭燈設為 ON，降低本機的照明亮度。如果您覺得本機的背光在夜間過亮，此模式非常有用。

設定顯示幕調光器 (Dimmer Level)

Dimmer Level1 (初始設定) / Level2 / Level3

在顯示幕 Dimmer On 設定中，可以使用三種亮度，當汽車頭燈開啓時，最高級 (Level 3) 最暗。

捲動設定 (Text Scroll)

Text Scroll Type1 / Type2 / Off (初始設定)

您可以在訊號源畫面上設定捲動類型，如歌曲標題或檔案名稱。如果搜尋模式畫面顯示充滿文字，顯示捲動。您亦可選擇想要的捲動類型。

Type1/Type2：	文字資訊自動捲動。
Off：	只有在剛開始顯示時捲動一次文字資訊。

- 在部分顯示幕上，可能無法捲動，或捲動內容可能不同。
- 不論如何設定，如果顯示充滿文字，顯示捲動。

切換顯示類型 (BGV Select)

BGV Select Type 1 (初始設定) / Type 2 / Type 3 / User

您可以選擇 3 種喜愛的背景顯示。

若要在本機上顯示下載的資料，選擇 User。請參閱 “下載桌面圖案 (BGV Download)” (第 22 頁)。

設定桌面圖案顏色 (BGV Color)

BGV Color Type 1 (初始設定) / Type 2

您可以選擇兩種顯示幕的背景顏色。

Type1：	藍色
Type2：	紅色

下載桌面圖案 (BGV Download)

僅能在使用 USB 記憶體模式時下載桌面圖案。

專為 Alpine 產品用戶設計的網站具有可供使用的桌面圖案資料。請將桌面圖案下載至您的 USB 記憶體。將記憶體中的桌面圖案上傳至本機。

若要開始下載，存取以下 URL 並遵循畫面上的指示。

<https://i-personalize.alpine.com/>

1 旋轉 **Double Action encoder** 以選擇 “BGV Download”，然後按 **Q/ENTER**。

搜尋 USB 記憶體中的資料，最多顯示 10 個檔案。

2 旋轉 **Double Action encoder** 以選擇檔案，然後按 **Q/ENTER**。

所選的檔案下載至本機。

- 下載資料副檔名為 “apn”。
- 您無法顯示您自己製作的桌面圖案。
- 若要顯示您已下載至本機的桌面圖案，選擇 “切換顯示類型 (BGV Select)” 中的 User (第 21 頁)。

iPod/iPhone 設定

從步驟 2 的設定主選單中選擇 “iPod”。

iPod/iPhone 搜尋模式設定

On / off

本機讓您可以使用八種不同的搜尋模式來搜尋 iPod/iPhone。

當搜尋模式在播放清單 / 歌手 / 專輯 / Podcast / 有聲書中時，初始設定為 On，當搜尋模式在音樂風格 / 作曲者 / 歌曲時，初始設定為 Off。

- 有關搜尋模式的詳細資訊，請參閱 “搜尋所需歌曲 / 標題” (第 10 頁)。

音訊設定

從步驟 2 的設定選單中選擇 “Audio”。

- 如果連接 **IMPRINT** 音訊處理器，您便可更詳細進行音訊設定。詳情請參閱 “**IMPRINT** 操作方式 (選購)” (第 23 頁)。

儲存音訊調節音量 (User Preset)

您可以在本機儲存高達 6 組的調節 / 設定內容。

以下所有的調節 / 設定項目均會儲存在預設記憶體中。

欲調節 / 設定的項目	參考頁數
平衡調節	第 17 頁
衰减調節	第 17 頁
響度設定	第 17 頁
設定低音中心頻率	第 18 頁
設定高音中心頻率	第 18 頁
設定 HPF	第 19 頁

1 旋轉 **Double Action encoder** 以選擇 “User Preset”，然後按 **Q/ENTER**。

出現 User Preset 畫面。

2 旋轉 **Double Action encoder** 以選擇預設號碼，然後按 **Q/ENTER** 至少 2 秒鐘。

調節 / 設定的內容儲存在所選的預設號碼中。

- 也可以按住 **PRESET** 至少 2 秒鐘而在正常模式中調用用戶預設畫面。

調用音訊調節音量

您可以調用儲存在 “儲存音訊調節音量 (User Preset)” 中的內容 (第 22 頁)。

1 旋轉 **Double Action encoder** 以選擇 “User Preset”，然後按 **Q/ENTER**。

出現 User Preset 畫面。

2 旋轉 **Double Action encoder** 以選擇預設號碼，然後按 **Q/ENTER**。

此時已調用所選號碼的調節 / 設定內容。

- 也可以按住 **PRESET** 至少 2 秒鐘而在正常模式中調用用戶預設畫面。

開啟 / 關閉 Media Xpander (MX)

MX On / MX Off (初始設定)

開啟 Media Xpander 時，且已連接外接音訊處理器的情況下，您便可調節 Media Xpander 等級 (詳情請參閱外接音訊處理器的用戶手冊)。

- 只有在連接外接音訊處理器時顯示。

設定 MX 等級 (MX Level Adjustment)

Non Effect / Level 1 / Level 2 / Level 3 (初始設定)

不管音源為何，MX (Media Xpander) 能讓歌聲或樂器聲音更清晰。即使在車內伴隨著馬路上的嘈雜聲，FM 無線電、CD、USB 記憶體和 iPod/iPhone 還是能夠清楚地重現音樂。

- 只有在連接外接音訊處理器且 MX 設為 ON 時顯示。

開啟與關閉重低音揚聲器 (Subwoofer)

Subwoofer On (初始設定) / Subwoofer Off

如果將選購的重低音揚聲器連接至本機，請進行以下設定。

- 只有在連接外接音訊處理器時顯示。

設定重低音揚聲器 (Subwoofer System)

Sys 1 (初始設定) / Sys 2

只有在 “開啟 / 關閉重低音揚聲器” (第 19 頁) 設為開啟時可以使用此設定。

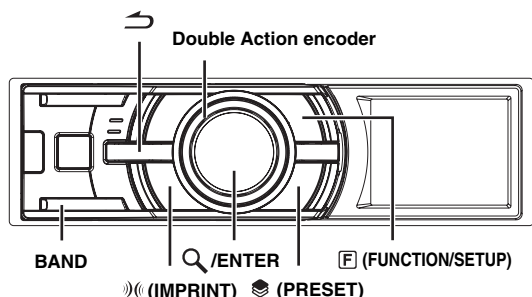
Sys 1: 重低音音量會依據主音量設定而改變。

Sys 2: 重低音音量改變情況與主音量設定不同。舉例來說，即使是使用低音設定，仍能聽見重低音。

IMPRINT 操作方式 (選購)

Alpine 的 IMPRINT 科技 - 是能夠徹底去除影響車內音質噪音的全球第一科技，能讓我們聆聽完整呈現的音樂。

將 IMPRINT 音訊處理器 (PXA-H100) (另售) 連接至本機時，即可進行 MultEQ 與以下音質調節功能。



更改 MultEQ 模式

由 Audyssey Labs 所研發的 MultEQ，能自動校正聆聽環境中的音訊。此系統能優化所選車內位置的音質。若要達到優化效果，MultEQ 務必測量車內的回音特性。若需了解此設定程序細節，請諮詢您的 Alpine 經銷商。

- 1 按住 **»» (IMPRINT)** 至少 2 秒鐘。
- 2 按 **Q/ENTER**。
- 3 旋轉 **Double Action encoder** 以選擇 MultEQ 模式，然後按 **Q/ENTER**。

Curve 1 (MultEQ-1) ↔ Curve 2 (MultEQ-2) ↔ OFF (手動模式)

- 4 按住 **↶** 至少 2 秒鐘將返回正常模式。

- 僅能在儲存 curve 1 與 curve 2 的情況下選擇 Curve 模式。
- 當 MultEQ 設為 ON 時，就會自動設定 MX、Factory's EQ、Parametric EQ、Graphic EQ、X-Over、Time Correction、Subwoofer System、Tweeter、EQ 模式、Filter Type、Time Correction Parameter 與 MX Level 調節。用戶將不再能夠自行調節上述功能。

在手動模式中調節聲音設定

可在 MultEQ 模式 Off 時，更改聲音設定以建立您喜好的設定（手動模式）。

在手動模式下進行的變更可儲存為預設功能。請參閱“儲存與調用調節內容”（第 27 頁）。

請遵照步驟 1~5 而選擇其中一種需修改的聲音選單模式。請參閱以下適用單元而了解所選項目的詳細介紹。

- 1 按住 **F (FUNCTION/SETUP)** 至少 2 秒鐘啟動 SETUP 選擇模式。

- 2 旋轉 **Double Action encoder** 以選擇 “Audio”，然後按 **Q/ENTER**。

BLUETOOTH ↔ General ↔ Display ↔ iPod ↔ Tuner ↔ Audio

- 3 旋轉 **Double Action encoder** 以選擇想要的項目，然後按 **Q/ENTER**。

User Preset/MX/Factory's EQ/Sound Field Adjustment^{*4}/
Subwoofer/Subwoofer System^{*1}/Subwoofer Phase^{*1}/Subwoofer Channel^{*1}/Tweeter^{*2}/EQ Mode/Filter Type/Time Correction Parameter/MX Level Adjustment^{*3}
(例如選擇 MX)

^{*1} 這些功能在 Subwoofer 設為 OFF 時無法使用。

^{*2} 僅能在連接 PXA-H100 (另售) 與 X-OVER 開關設為 3WAY 模式時操作此功能。詳情請參閱 PXA-H100 的用戶手冊。

^{*3} 此功能在 MX 設為 OFF 時無法使用。

^{*4} 在步驟 3 中，可在 Sound Field 調節模式中選擇三種聲音調節項目 (Parametric EQ / Graphic EQ、Time Correction、X-Over)，請旋轉 **Double Action encoder** 以選擇想要的項目，然後按 **Q/ENTER** 以繼續進行步驟 4。

- 4 旋轉 **Double Action encoder** 以更改設定，然後按 **Q/ENTER**。

(例如選擇 MX On 或 MX Off)

- 5 按住 **↶** 至少 2 秒鐘將返回正常模式。

- 在 Defeat 設為 ON 時無法使用 User Preset、Media Xpander、Factory's EQ、Parametric EQ/Graphic EQ 調節、EQ 模式與 MX Level 調節。
- 按 **↶** 返回先前的聲音選單模式。
- 設定的過程中，如果您按著 **Double Action encoder** 的外圈並往左或往右旋轉，便能逐頁更換設定項目選擇畫面。如果您按住 **Double Action encoder** 並向左或向右轉，便可持續逐頁變更設定項目選擇畫面。

開啟 / 關閉 Media Xpander (MX)

On / Off (初始設定)

開啟 Media Xpander 時，您便可調節 Media Xpander 等級（請參閱第 24 頁）。

- 此功能在 Defeat 設定為 ON 時無法使用。

設定 MX 等級

不管音源為何，MX (Media Xpander) 能讓歌聲或樂器聲音更清晰。即使在車內伴隨著馬路上的嘈雜聲，FM 無線電、CD、USB 記憶體和 iPod/iPhone 還是能夠清楚地重現音樂。

更改為您想套用 Media Xpander 的音源。

FM (等級 1 至 3、Non Effect) :

中頻至高頻變得更清晰，也在所有的頻率產生良好的平衡聲音。

CD (等級 1 至 3、Non Effect) :

播放期間，CD 模式處理大量資料。MX 利用大量資料處理，重現更清楚、清晰的輸出。

MP3/WMA/AAC/iPod/BLUETOOTH Audio (等級 1 至 3、Non Effect) :

可校正正在壓縮時遺失的資訊。可以重現接近原聲的平衡聲音。

DVD (視訊 CD)

(等級 1 至 2 (MOVIE)、Non Effect) :

更清楚地重現視訊的對話部分。

(等級 3 (MUSIC)、Non Effect) :

DVD 或視訊 CD 包含大量資料，例如音樂錄影帶。MX 用此資料精確地再現聲音。

AUX (等級 1 (MP3/WMA/AAC/iPod/BLUETOOTH Audio)、等級 2 (MOVIE)、等級 3 (MUSIC)、Non Effect) :

選擇可對應所連接媒體的 MX 模式。

如果連接了兩個外接裝置，可以為每個媒體選擇不同的 MX 模式。

- 若要取消所有音源的 MX 模式，在步驟 4 中將 MX 設為關閉。
- 每個音源，例如：FM 無線電、CD 和 MP3/WMA/AAC，可擁有自己的 MX 設定。
- 當音源從“MP3/WMA/AAC 變為 CD-DA”或“CD-DA 變為 MP3/WMA/AAC”時，MX 模式切換可能會稍微滯延播放。
- MX Off 設定將每個音源的 MX 模式設為關閉。
- AM 無線電沒有 MX 模式。
- 此功能在 Defeat 設定為 ON 時無法使用。

均衡器預設 (Factory's EQ)

Flat / Pops / Rock / News / Jazz&Blues / Electric Dance / Hip Hop&Rap / Easy Listening / Country / Classical/User 1~6*

出廠時會預設 10 種典型均衡器設定，供多種音源素材使用。

* 經由選擇 User 的 1 至 6，您可調用在“儲存與調用調節內容”（第 27 頁）中儲存的 EQ 調節值。

- 此功能在 Defeat 設定為 ON 時無法使用。

開啟 / 關閉重低音

Subwoofer On (初始設定) / Subwoofer Off

如果將選購的重低音揚聲器連接至本機，請進行以下設定。

開啟重低音時，您即可調節重低音輸出等級（請參閱第 17 頁）。

設定重低音揚聲器系統

Sys 1 (初始設定) / Sys 2

開啟重低音揚聲器時，您可以選擇所想要的 Sys 1 或 Sys 2 重低音效果。

Sys 1 : 重低音揚聲器等級會依據主音量設定而改變。

Sys 2 : 重低音揚聲器等級改變情況與主音量設定不同。舉例來說，即使是使用低音量設定，仍能聽見重低音。

設定重低音揚聲器相位

Normal (初始設定) / Reverse

重低音揚聲器輸出相位為 Subwoofer Normal (0°) 或 Subwoofer Reverse (180°)。

設定重低音揚聲器聲道

Stereo (初始設定) / Mono

您可以將重低音揚聲器輸出設為立體聲或單聲道。請務必為重低音揚聲器種類設定正確的輸出值。

Stereo : 重低音揚聲器立體聲 (L/R) 輸出

Mono : 重低音揚聲器單聲道輸出

設定高頻範圍揚聲器的響應斜率 (Tweeter)

Maker's (初始設定) / User's

視揚聲器的響應特性而定，在 3WAY 模式將高頻揚聲器的響應斜率設為 0 dB/oct. 時應謹慎（請參閱第 26 頁的“調節分頻器設定”），因為可能會損壞揚聲器。

Maker's : 為了保護揚聲器不受損壞，無法在 3WAY 模式中將高頻揚聲器的響應斜率設為 0 dB/oct.。

User's : 可在 3WAY 模式中設定 0 dB/oct.。

- 只有當 IMPRINT 音訊處理器 (PXA-H100) 的系統開關設定為 3WAY 時您可以設定為 Tweeter。

設定 EQ 模式

Graphic / Parametric (初始設定)

此設定共有 5 種波段參數式，或 7 種波段圖形式均衡器選項。

- 此功能在 Defeat 設定為 ON 時無法使用。

設定濾波器種類

Normal (初始設定) / Individual

如果您調節 X-OVER，就可將左右聲道設為相同音量，或分別設定。

Normal (L=R)：可相同調節左右揚聲器。

Individual (L/R)：可分別調節左右揚聲器。

設定時間校正單位

cm (初始設定) / inch

您可以改變時間校正的單位 (cm 或 inch)。

音域調節

可在此模式中調節 Parametric EQ / Graphic EQ 設定、時間校正器與 X-Over。

調節參數式均衡器曲線

Sound Field Adjustment → EQ Adjustment

您可以修改均衡器設定以創造更符合您風格的響應曲線。若要調整參數式均衡器曲線，請將 EQ 模式設為 Parametric EQ。詳情請參閱“設定 EQ 模式”（第 24 頁）。

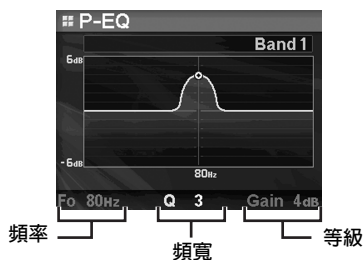
1 旋轉 **Double Action encoder** 在 Sound Field 調節模式中選擇 “EQ Adjustment”，然後按 **Q/ENTER**。

2 旋轉 **Double Action encoder** 以選擇波段，然後按 **Q/ENTER**。

如果選擇某波段，便會顯示每個波段的調節畫面。

Band1 / Band2 / Band3 / Band4 / Band5

3 旋轉 **Double Action encoder** 以調節頻率/頻寬/等級。
當前調節的項目會亮起。



4 如果按 **Q/ENTER**，就會設定所調節的數值，並且操作將移至下一項需要調節的項目。

5 完成所選波段設定時，請按 **BAND**。
會顯示下一個波段調節畫面。

6 重複步驟 3~5，並調節每個波段。

■ 頻率調節 (Fo)

可調節的頻率波段：
20 Hz 至 20 kHz（以 1/3 個八度音階為單位）

Band1: 20 Hz~80 Hz (63 Hz)

Band2: 50 Hz~200 Hz (150 Hz)

Band3: 125 Hz~3.2 kHz (400 Hz)

Band4: 315 Hz~8 kHz (1 kHz)

Band5: 800 Hz~20 kHz (2.5 kHz)

■ 頻寬調節 (Q)

可調節的頻寬：1, 1.5, 3

■ 等級調節 (Gain)

可調節的等級 -6 至 +6 dB

- 鄰近波段的頻率無法在 4 個單位內調節。
- 調整 Parametric EQ 時，您應考量所連接揚聲器的頻率響應。
- 調節的過程中，如果您按著 **Double Action encoder** 的外圈並往左或往右轉動，便能更改波段與調節相鄰波段。如果您按住 **Double Action encoder** 並向左或向右轉，便可持續變更波段。
- 此功能在 Defeat 設定為 ON 時無法使用。

調節圖形式均衡器曲線

Sound Field Adjustment → EQ Adjustment

您可以修改均衡器設定以創造更符合您風格的響應曲線。若要調整圖形式均衡器曲線，請將 EQ 模式設為 Graphic EQ。詳情請參閱“設定 EQ 模式”（第 24 頁）。

1 旋轉 **Double Action encoder** 在 Sound Field 調節模式中選擇 “EQ Adjustment”，然後按 **Q/ENTER**。

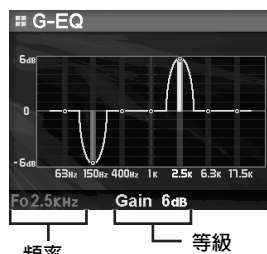
2 旋轉 **Double Action encoder** 以選擇波段，然後按 **Q/ENTER**。

如果選擇某波段，便會顯示調節畫面。

Band1 / Band2 / Band3 / Band4 / Band5 / Band6 / Band7

3 旋轉 **Double Action encoder** 以調節等級，然後按 **Q/ENTER**。

此時會選擇等級，與啟動頻率選擇模式。



4 旋轉 **Double Action encoder** 以選擇頻率，然後按 **Q/ENTER**。

此時會選擇頻率，並啟動等級調節模式。會以黃色顯示所選頻率。

5 完成所選波段設定時，請按 **BAND**。
會顯示下一個波段調節畫面。

6 重複步驟 3~5，並調節每個波段等級。

■ 頻率調節 (Fo)

Band1 (63 Hz) / Band2 (150 Hz) / Band3 (400 Hz) /
Band4 (1 kHz) / Band5 (2.5 kHz) / Band6 (6.3 kHz) /
Band7 (17.5 kHz)

■ 等級調節 (Gain)

可調節的輸出等級：-6 至 +6 dB

- 調節的過程中，如果您按著 **Double Action encoder** 的外圈並往左或往右轉動，便能更改波段與調節相鄰波段。如果您按住 **Double Action encoder** 並向左或向右轉，便可持續變更波段。
- 此功能在 Defeat 設定為 ON 時無法使用。

調節時間校正

Sound Field Adjustment → Time Correction

執行以下程序之前，請參閱“關於時間校正”（第 28 頁）。

- 1 旋轉 **Double Action encoder** 而在 Sound Field 調節模式中選擇 “Time Correction”，然後按 **Q/ENTER**。
視 IMPRINT 音訊處理器（PXA-H100）的 X-OVER 開關設定而定，需要調節的揚聲器也會有所差異。

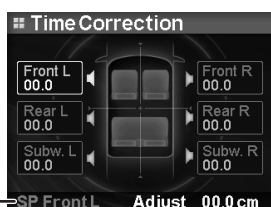
3WAY 系統

High L / High R / Mid L / Mid R / Low L / Low R

F/R/SUBW. 系統

Front L / Front R / Rear L / Rear R / Subw. L / Subw. R

- 2 旋轉 **Double Action encoder** 以選擇揚聲器，然後按 **Q/ENTER**。



選擇的揚聲器 — SP Front L

- 3 旋轉 **Double Action encoder** 設定各揚聲器的距離。
0.0 cm~336.6 cm

- 4 如果按下 **Q/ENTER**，便會設定調節數值與啟動揚聲器選擇模式。

- 5 重複步驟 2~4，並設定所有揚聲器。

- 調節的過程中，如果您按著 **Double Action encoder** 的外圈並往左或往右轉動，便能更改揚聲器與調節相鄰揚聲器。如果您按住 **Double Action encoder** 並向左或向右轉，便可持續變更揚聲器。您也可以按下 **BAND** 而更改揚聲器。

調節分頻器設定

Sound Field Adjustment → X-Over

執行以下程序之前，請參閱“關於分頻器”（第 29 頁）。

- 1 旋轉 **Double Action encoder** 在 Sound Field 調節模式中選擇 “X-Over”，然後按 **Q/ENTER**。

- 2 旋轉 **Double Action encoder** 選擇波段，然後按 **Q/ENTER**。

如果選擇某波段，便會顯示每個要調節的波段畫面。

3WAY 系統 / Normal (L=R)

設定項目：

Low/Mid-Low/Mid-High/High

3WAY 系統 / Individual (L/R)

設定項目：

Low L/Low R/Mid-Low L/Mid-Low R/Mid-High L/
Mid-High R/High L/High R

F/R/SUBW. 系統 / Normal (L=R)

設定項目：

Subw./Rear/Front

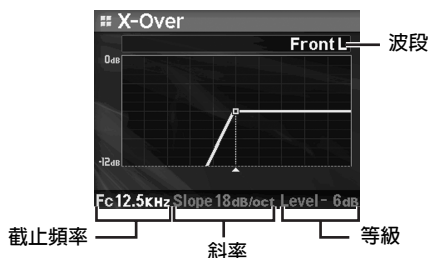
F/R/SUBW. 系統 / Individual (L/R)

設定項目：

Subw. L/Subw. R/Rear L/Rear R/Front L/Front R

- 視當前使用的系統而定，所選的波段內容可能會有所差異。請參閱“設定濾波器種類”（第 25 頁）以及 IMPRINT 音訊處理器（PXA-H100）上的 X-OVER 開關設定。

- 3 旋轉 **Double Action encoder** 以調節頻率/斜率/等級。當前調節的項目會亮起。



- 4 按 **Q/ENTER** 可選擇調節內容，操作程序會移至下一個需要調節的項目。

- 5 完成所選波段設定時，請按 **BAND**。會顯示下一個波段調節畫面。

- 6 重複步驟 3 至 5 設定所有波段。

■截止頻率 (Fc)

可調節的頻率波段：

3WAY 系統

設定項目：

Low/Mid-Low L	20 Hz~200 Hz
Mid-High	20 Hz~20 kHz
High	(1 kHz~20 kHz)* ¹ /(20 Hz~20 kHz)* ²

*¹ 選擇 Maker's 時，請參閱“設定高頻範圍揚聲器的響應斜率 (Tweeter)” (第24 頁)。

*² 選擇 User's 時，請參閱“設定高頻範圍揚聲器的響應斜率 (Tweeter)” (第24 頁)。

F/R/SUBW. 系統

設定項目：

20 Hz~200 Hz

■斜率調節

可調節的斜率：0/6/12/18/24 dB/oct.

- * 僅能在“設定高頻範圍揚聲器的響應斜率 (Tweeter)” (第24 頁) 中選擇 User's 時，將 High 斜率設為 0 dB/oct. 視揚聲器的響應特性而定，將響應斜率設為 0 dB/oct. 時應謹慎，因為可能會損壞揚聲器。當高頻揚聲器的響應斜率設為 0 dB/oct. 時，本機會顯示一個訊息。

■等級調節

可調節的輸出等級：-12 至 0 dB.

- 調整 X-Over 時，您應考量所連接揚聲器的頻率響應。
- 調節的過程中，如果您按著 **Double Action encoder** 的外圈並往左或往右轉動，便能更改波段與調節相鄰波段。如果您按住 **Double Action encoder** 並向左或向右轉，便可持續變更波段。

• 關於 F/R/SUBW. / 3WAY 系統

您可以使用 PXA-H100 上的 X-OVER 開關而切換 F/R/SUBW./ 3WAY 系統模式。詳情請參閱 PXA-H100 的用戶手冊。

儲存與調用調節內容

User 1 / User 2 / User 3 / User 4 / User 5 / User 6

所有調節項目的內容（手動模式）可以一起儲存為預設。最多可使用 6 個預設。

■儲存調節的內容

1 旋轉 **Double Action encoder** 選擇 “User Preset”，然後按 **Q/ENTER**。

顯示 User Preset 畫面。

2 旋轉 **Double Action encoder** 選擇一個預設號碼，然後按住 **Q/ENTER** 至少 2 秒鐘。

調節 / 設定的內容儲存在所選的預設號碼中。

■調用調節的內容

可以在“儲存調節的內容”中調用儲存的內容（第 27 頁）。

1 旋轉 **Double Action encoder** 選擇 “User Preset”，然後按 **Q/ENTER**。

顯示 User Preset 畫面。

2 旋轉 **Double Action encoder** 選擇一個預設號碼，然後按 **Q/ENTER**。

調用所選預設號碼的調節 / 設定內容。

- 您可以按住 **PRESET** 至少 2 秒鐘而在正常模式中調用用戶預設畫面。
- 即使重設本機或斷開電池的連接，仍然不會刪除儲存的內容。
- 此功能在 Defeat 設定為 ON 時無法使用。

關於時間校正

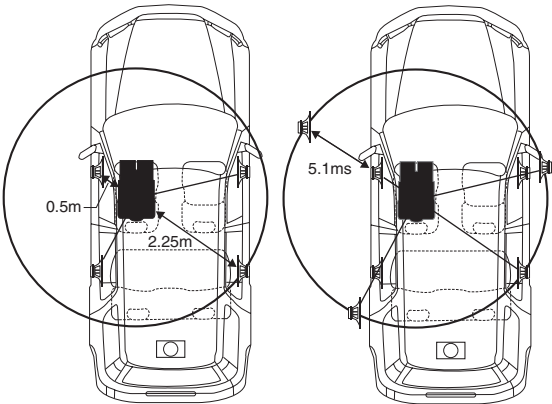
車內聆聽者與揚聲器之間的距離，會因為複雜的揚聲器設置位置而有所差異。此揚聲器與聆聽者之間的距離差距，會使音質與頻率特性有所轉變。這是因為聲音抵達車內左右聆聽者位置的時間延滯所造成的。

為了校正此現象，本機能夠延緩最靠近聆聽者的揚聲器音源訊號傳播時間。此功能可大幅增長此類揚聲器與聆聽者之間的距離。聆聽者可聽到來自左邊與右邊揚聲器的相同優化音質。

此功能會以 3.4cm 級距而調節每個揚聲器的距離。

範例 1 聆聽位置：左前方座位

將左前方揚聲器的時間校正值調節到最高，並將右後方的校正值調為零或調為較低值。



此時聲音未達平衡，因為聆聽位置與多處揚聲器之間的距離不同。左前方揚聲器與右後方揚聲器的距離差距為 1.75m。我們可以在上圖中計算左前方揚聲器的時間校正值。

條件：
最遠的揚聲器 - 聆聽位置：2.25m
左前方揚聲器 - 聆聽位置：0.5 m
計算公式： $L = 2.25\text{ m} - 0.5\text{ m} = 1.75\text{ m}$
時間校正 = $1.75 \div 343^{*1} \times 1000 = 5.1\text{ (ms)}$

^{*1} 音速：20°C 時為 343 m/s

換句話說，為左前方揚聲器進行 5.1ms 的時間校正，就能使其與聆聽者之間的距離等於最遠揚聲器與聆聽者之間的距離。

時間校正能去除聲音抵達聆聽位置的差異時間。左前方揚聲器的時間校正為 5.1ms，所以此揚聲器聲音抵達聆聽位置的時間，會與其它揚聲器一樣。

範例 2 聆聽位置：所有座位

將每個揚聲器的時間校正值調節為幾乎是相同的值。

- 1 請坐在聆聽位置（駕駛座等）並測量您的頭部與多處揚聲器之間的距離（以公尺為單位）。
- 2 計算最遠的揚聲器與其他揚聲器之間的距離差異校正值。
 $L = (\text{至最遠揚聲器的距離}) - (\text{至其他揚聲器的距離})$

這些數值便為不同揚聲器的時間校正值。藉由設定上述數值的方式，可讓其他揚聲器的聲音同時到達聆聽位置。

時間校正值清單

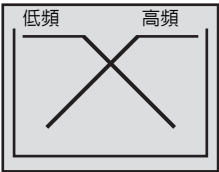
延緩編號	時間差異 (ms)	距離 (cm)	距離 (inch)	延緩編號	時間差異 (ms)	距離 (cm)	距離 (inch)
0	0.0	0.0	0.0	51	5.1	173.4	68.3
1	0.1	3.4	1.3	52	5.2	176.8	69.7
2	0.2	6.8	2.7	53	5.3	180.2	71.0
3	0.3	10.2	4.0	54	5.4	183.6	72.4
4	0.4	13.6	5.4	55	5.5	187.0	73.7
5	0.5	17.0	6.7	56	5.6	190.4	75.0
6	0.6	20.4	8.0	57	5.7	193.8	76.4
7	0.7	23.8	9.4	58	5.8	197.2	77.7
8	0.8	27.2	10.7	59	5.9	200.6	79.1
9	0.9	30.6	12.1	60	6.0	204.0	80.4
10	1.0	34.0	13.4	61	6.1	207.4	81.7
11	1.1	37.4	14.7	62	6.2	210.8	83.1
12	1.2	40.8	16.1	63	6.3	214.2	84.4
13	1.3	44.2	17.4	64	6.4	217.6	85.8
14	1.4	47.6	18.8	65	6.5	221.0	87.1
15	1.5	51.0	20.1	66	6.6	224.4	88.4
16	1.6	54.4	21.4	67	6.7	227.8	89.8
17	1.7	57.8	22.8	68	6.8	231.2	91.1
18	1.8	61.2	24.1	69	6.9	234.6	92.5
19	1.9	64.6	25.5	70	7.0	238.0	93.8
20	2.0	68.0	26.8	71	7.1	241.4	95.1
21	2.1	71.4	28.1	72	7.2	244.8	96.5
22	2.2	74.8	29.5	73	7.3	248.2	97.8
23	2.3	78.2	30.8	74	7.4	251.6	99.2
24	2.4	81.6	32.2	75	7.5	255.0	100.5
25	2.5	85.0	33.5	76	7.6	258.4	101.8
26	2.6	88.4	34.8	77	7.7	261.8	103.2
27	2.7	91.8	36.2	78	7.8	265.2	104.5
28	2.8	95.2	37.5	79	7.9	268.6	105.9
29	2.9	98.6	38.9	80	8.0	272.0	107.2
30	3.0	102.0	40.2	81	8.1	275.4	108.5
31	3.1	105.4	41.5	82	8.2	278.8	109.9
32	3.2	108.8	42.9	83	8.3	282.2	111.2
33	3.3	112.2	44.2	84	8.4	285.6	112.6
34	3.4	115.6	45.6	85	8.5	289.0	113.9
35	3.5	119.0	46.9	86	8.6	292.4	115.2
36	3.6	122.4	48.2	87	8.7	295.8	116.6
37	3.7	125.8	49.6	88	8.8	299.2	117.9
38	3.8	129.2	50.9	89	8.9	302.6	119.3
39	3.9	132.6	52.3	90	9.0	306.0	120.6
40	4.0	136.0	53.6	91	9.1	309.4	121.9
41	4.1	139.4	54.9	92	9.2	312.8	123.3
42	4.2	142.8	56.3	93	9.3	316.2	124.6
43	4.3	146.2	57.6	94	9.4	319.6	126.0
44	4.4	149.6	59.0	95	9.5	323.0	127.3
45	4.5	153.0	60.3	96	9.6	326.4	128.6
46	4.6	156.4	61.6	97	9.7	329.8	130.0
47	4.7	159.8	63.0	98	9.8	333.2	131.3
48	4.8	163.2	64.3	99	9.9	336.6	132.7
49	4.9	166.6	65.7				
50	5.0	170.0	67.0				

關於分頻器

分頻器 (X-OVER)：
本機配有主動式分頻器。分頻器可限制輸出頻率。可分別控制每個聲道。因此，能以揚聲器原定優化頻率來驅動每對揚聲器。分頻器可調節每個波段的 HPF (高通濾波器) 或 LPF (低通濾波器)，以及斜率 (濾波器高低起伏的速度)。可依據揚聲器的再生特性而進行調節。視揚聲器而定，可能不需要使用被動式網路。如果您對此方面不確定，請諮詢您的 Alpine 經銷商。

F/R/SUBW. 模式

	截止頻率 (以 1/3 個八度音階為單位)		斜率		音量
	HPF	LPF	HPF	LPF	
低頻揚聲器	----	20 Hz - 200 Hz	----	FLAT, 6, 12, 18, 24 dB/oct.	0~ -12 dB
後置高頻揚聲器	20 Hz - 200 Hz	----	FLAT, 6, 12, 18, 24 dB/oct.	----	0~ -12 dB
前置高頻揚聲器	20 Hz - 200 Hz	----	FLAT, 6, 12, 18, 24 dB/oct.	----	0~ -12 dB

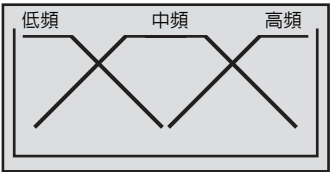


(與實際顯示不同)

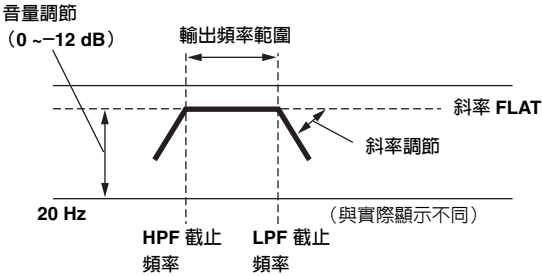
3WAY 模式

	截止頻率 (以 1/3 個八度音階為單位)		斜率		音量
	HPF	LPF	HPF	LPF	
低頻揚聲器	----	20 Hz - 200 Hz	----	FLAT, 6, 12, 18, 24 dB/oct.	0~ -12 dB
中頻揚聲器	20 Hz - 200 Hz	20 Hz - 20 kHz	FLAT, 6, 12, 18, 24 dB/oct.	FLAT, 6, 12, 18, 24 dB/oct.	0~ -12 dB
高頻揚聲器	1 kHz - 20 kHz, (20 Hz ~ 20 kHz)*	----	FLAT* 6, 12, 18, 24 dB/oct.	----	0~ -12 dB

* 只有在 “設定高頻範圍揚聲器的響應斜率 (Tweeter)” (第 24 頁) 選擇 User 時。



(與實際顯示不同)



- HPF (高通濾波器)：能截止較低頻率，使較高頻率通過。
 - LPF (低通濾波器)：能截止較高頻率，使較低頻率通過。
 - 斜率：電平隨著一個八度音階的頻率更改而改變 (以 dB 為單位)。
 - 斜率值越高，表示斜率越陡。
 - 調節斜率至 FLAT (0 dB/oct.) 以繞過 HP 或 LP 濾波器。
 - 請勿在沒有開啓 HPF 或設為低頻率時使用小型高音擴音器，因為低頻率可能會使揚聲器損壞。
 - 您無法將分音頻率調節為高於 HPF 或低於 LPF 的頻率。
 - 應依據所連接揚聲器的建議分音頻率來進行調節。判斷揚聲器的建議分音頻率。如果調節為建議範圍以外的頻率，可能會損壞揚聲器。
- 若需了解 Alpine 揚聲器的建議分音頻率，請參閱用戶手冊。
如果因使用建議值以外的頻率而使揚聲器損壞或故障，本公司恕不負責。

資訊

出現問題時

如果您遇到問題，請關閉電源，然後再打開。如果機器仍舊無法正常工作，請查看下列清單中的項目。如果機器出現故障，本手冊將幫助您解決問題。否則，請確認您的系統是否連接正確或諮詢您的 Alpine 授權經銷商。

基本問題

無法使用功能或無畫面顯示。

- 汽車的點火開關關閉。
 - 如果按說明連接，本機將不會在汽車點火開關關閉的情況下運行。
- 電源線（紅）和電瓶線（黃）連接不正確。
 - 檢查電源線和電瓶線的連接。
- 保險絲燒壞。
 - 檢查機器的保險絲，如果需要，更換合適規格的保險絲。
- 由於干擾噪音等造成的內部微電腦故障。
 - 用原子筆或其他帶尖頭的物體按 RESET 開關。

無線電

無法接收電台。

- 無天線或電纜連接斷開。
 - 確認天線已正確連接；必要時更換天線或電纜。

無法在搜尋模式中調電台。

- 您處在訊號較弱的地區。
 - 確保調諧器處在 DX 模式中。
- 如果您處在主要訊號區，天線可能沒有正確接地和連接。
 - 檢查天線連接；請確保天線在安裝位置正確接地。
- 天線可能長度不合適。
 - 確保天線完全延伸；如果斷裂，請更換新的天線。

廣播出現噪音。

- 天線可能長度不合適。
 - 完全延長天線；如果其斷裂，請對其進行更換。
- 天線接地不良。
 - 確保在安裝位置將天線正確接地。

MP3/WMA/AAC

無法播放 MP3、WMA 或 AAC。

- 出現寫入錯誤。MP3/WMA/AAC 格式不相容。
 - 確保 MP3/WMA/AAC 以支援的格式寫入。請參閱“關於 MP3/WMA/AAC”（第 16-17 頁），然後用本機支援的格式重新寫入。

音訊

聲音未從揚聲器輸出。

- 機器無內部放大器的輸出訊號。
 - Power IC 切換至“On”（第 21 頁）。

iPod/iPhone

iPod/iPhone 不播放或沒有聲音輸出。

- iPod/iPhone 未被識別。
 - 重設本機和 iPod/iPhone。請參閱“初始化系統啟動”（第 6 頁）。若要重設 iPod/iPhone，請參考 iPod/iPhone 的用戶手冊。

iPod/iPhone 模式中的顯示

Current Error

- 不正常電流通過 USB 連接器裝置（如果連接與本機不相容的 USB 裝置，可能顯示錯誤訊息）。
 - 嘗試連接其他 iPod/iPhone。

USB Device Error

- 連接了本機不支援的 iPod/iPhone。
 - 連接本機支援的 iPod/iPhone。
 - 重設 iPod/iPhone。

No USB Device

- 未連接 iPod/iPhone。
 - 確保正確連接 iPod/iPhone，請勿將電纜彎折過度。

No Song

- iPod/iPhone 中無歌曲。
 - 將歌曲下載至 iPod/iPhone，然後與本機相連。

No Support

- 輸入了本機不支援的文字資訊。
 - 使用輸入的文字資訊受本機支援的 iPod/iPhone。

Error 01

- 通信錯誤。
 - 關閉點火開關，然後再次設定為 ON。
 - 將 iPod/iPhone 重新連接至 iPod Dock 介面電纜和 USB 電纜後，在畫面上確認。
 - 重設 iPod/iPhone。

Error 02

- 故障原因在於 iPod/iPhone 軟體版本與本機不相容。
 - 更新 iPod/iPhone 軟體，使其與本機相容。

Error 03

- 未確認 iPod/iPhone。
 - 重設 iPod/iPhone。
 - 嘗試其他 iPod/iPhone。

USB 記憶體中的顯示

Current Error

- 不正常電流通過 USB 連接器裝置（如果連接與本機不相容的 USB 裝置，可能顯示錯誤訊息）。
USB 記憶體故障或不足。
 - 連接其他 USB 記憶體。

USB Device Error

- 連接了本機不支援的 USB 裝置。
 - 連接本機支援的 USB 裝置。

No USB Device

- 未連接 USB 記憶體。
 - 確保正確連接 USB 記憶體裝置，請勿將電纜彎折過度。

No Song

- USB 記憶體內未儲存歌曲（檔案）。
 - 儲存歌曲（檔案）後，連接 USB 記憶體。

Unsupported

- 使用了本機不支援的取樣頻率 / 位元率。
 - 使用本機支援的取樣頻率 / 位元率。

Protect

- 播放版權保護的 WMA 檔案。
 - 您只可以播放未經版權保護的檔案。

No Support

- 輸入了本機無法辨識的文字資訊。
 - 使用本機支援輸入文字資訊的 USB 記憶體。

隨身音樂播放器模式中的顯示

Current Error

- 不正常電流通過 USB 連接器裝置（如果連接與本機不相容的 USB 裝置，可能顯示錯誤訊息）。
 - 嘗試連接其他隨身音樂播放器。

USB Device Error

- 連接了本機不支援的隨身音樂播放器。
 - 嘗試連接其他隨身音樂播放器。

No USB Device

- 未連接隨身音樂播放器。
 - 確保正確連接隨身音樂播放器，請勿將電纜彎折過度。

No Song

- 隨身音樂播放器中無歌曲。
 - 將歌曲下載至隨身音樂播放器，然後與本機相連。

No Support

- 輸入了本機不支援的文字資訊。
 - 使用輸入的文字資訊受本機支援的隨身音樂播放器。

Unsupported

- 使用了本機不支援的取樣頻率 / 位元率。
 - 使用本機支援的取樣頻率 / 位元率。

Protect

- 播放版權保護的 WMA 檔案。
 - 您只可以播放未經版權保護的檔案。
 - 確保隨身音樂播放器設定為 MTP。

Error 01

- 通信錯誤。
 - 關閉點火開關，然後再次設定為 ON。
 - 重新將隨身音樂播放器連接至電纜後，請確認畫面。

Error 02

- 故障原因在於軟體版本與本機不相容。
 - 請更新隨身音樂播放器的軟體版本。詳情請參閱播放器的用戶手冊。
 - 重設隨身音樂播放器。

CD 換碟機的指示

High Temperature

- 保護電路由於高溫而啟動。
 - 當溫度返回到正常工作範圍中時，指示將消失。
-

Error 01

- CD 換碟機故障。
 - 請諮詢 Alpine 經銷商。按光碟匣彈出按鈕，拉出光碟匣。檢查指示。再次置入光碟匣。如果無法拉出光碟匣，請諮詢您的 Alpine 經銷商。
 - 無法彈出光碟匣。
 - 按光碟匣彈出按鈕。如果無法彈出光碟匣，請諮詢您的 Alpine 經銷商。
-

Error 02

- 光碟留在 CD 換碟機內。
 - 按彈出按鈕啟動彈出功能。當 CD 換碟機完成彈出功能時，將空的 CD 光碟匣置入 CD 換碟機，接收留在 CD 換碟機內的光碟。
-

No Magazine

- 無光碟匣載入 CD 換碟機。
 - 置入光碟匣。
-

No Disc

- 無指示光碟。
 - 選擇其他光碟。
-

規格

FM 調諧器部分

調諧範圍	87.5-108.0 MHz
單聲道可用靈敏度	9.3 dBf (0.8 μ V/75 歐姆)
50 dB 靜噪靈敏度	13.5 dBf (1.3 μ V/75 歐姆)
隔臺選擇	80 dB
訊號雜訊比	65 dB
立體聲分離度	35 dB
俘獲比	2.0 dB

AM 調諧器部分

調諧範圍	531-1602 kHz
靈敏度 (IEC 標準)	22.5 μ V/27 dB

USB 部分

USB 要求	USB 1.1/2.0
最大功率消耗	500mA
檔案系統	FAT12/16/32
MP3 解碼	MPEG-1/2 AUDIO Layer-3
WMA 解碼	Windows Media™ Audio (支援 WMDRM10)
AAC 解碼	AAC-LC 格式 “.m4a” 檔案
聲道數	2 聲道 (立體聲)
頻率響應 *	5-20000 Hz (\pm 1 dB)
總諧波失真	0.008% (在 1 kHz 情況下)
動態範圍	95 dB (在 1 kHz 情況下)
訊號雜訊比	105 dB
頻道分離度	85 dB (在 1 kHz 情況下)
* 視編碼軟體 / 位元率而定，頻率響應可能不同。	

一般部分

電源要求	14.4 V DC (可允許 11-16 V)
功率輸出	50 W \times 4
最大前置輸出電壓	2 V/10 千歐
重量	1.0 kg

底座尺寸

寬度	178 mm
高度	50 mm
深度	156 mm

機殼尺寸

寬度	170 mm
高度	46 mm
深度	28 mm

可拆卸式前面板尺寸

寬度	108 mm
高度	46 mm
深度	36 mm

- 由於產品不斷改進，規格和設計若有變更，恕不另行通知。

- Windows Media 與 Windows 標誌是 Microsoft Corporation 在美國和 / 或其他國家的商標或註冊商標。
- iPod 是 Apple Inc. 在美國和其他國家的註冊商標。
- iPhone 是 Apple Inc. 在美國和其他國家的註冊商標。
- “Made for iPod” 表示電子附件設計為專門連接至 iPod，並經開發者認證符合 Apple 性能標準。
- “Works with iPhone” 表示電子附件設計為專門連接 iPhone，並經開發者認證符合 Apple 性能標準。
- Apple 對本裝置的操作或其與安全規則標準的符合概不負責。
- Audyssey MultEQ XT 是 Audyssey Laboratories Inc. 的註冊商標。
- BLUETOOTH® 單詞標記和標誌歸 Bluetooth SIG, Inc. 所有的註冊商標，Alpine Electronics, Inc. 對此類標記的使用均受許可。
- “MPEG Layer-3 音訊編碼技術經 Fraunhofer IIS 和 Thomson 授權。”
- “本產品僅供個人和非商業性使用，未經授權，不得用於任何商業性（即收益性）的即時廣播（如全球、衛星、有線和 / 或其他任何媒體）、在互聯網、局域網和 / 或其他網絡上進行的廣播 / 串流，或者付費音訊 / 音訊點播等電子內容傳播系統中的廣播 / 串流。該領域的使用需單獨得到授權。詳情請訪問 <http://www.mp3licensing.com>”
- “Uni-Type™” 是 LIM Corporation Ltd. 和 Chiba University Faculty of Engineering 共同研發的通用設計字型樣式。
- “Uni-Type™” 是 LIM Corporation Ltd. 註冊的商標。

安裝和連接

在安裝或連接本機之前，請通讀以下說明及手冊的第 3 和 4 頁，以確保正確使用。

警告

進行正確的連接。

連接不妥當，可能導致火災或損壞產品。

僅用於 12 伏負極（-）接地的汽車。

（如果您無法確定，請向您的代理商確認。）否則可能會造成火災或電擊。

在進行配線之前，請拆下連接在電池負極端子上的電纜。

否則可能會因短路造成電擊或傷害。

不可切開電纜。

切勿剝除連接到其它設備上的電源線的絕緣層。否則將因超過電線的容許負荷量而導致火災或觸電。

鑽孔時注意別損傷配管或電線。

當在底盤上鑽安裝孔時，須特別注意別碰傷管道燃油線路，油箱或電線。否則，可能導致火災。

不可利用煞車或轉向系統上的螺栓或螺母連接地線。

煞車或轉向系統（或任何其它安全有關系統），或油箱上用的螺栓或螺母，絕對不能利用於安裝或接地線。否則，將導致汽車控制困難或發生火災等。

不要讓兒童觸及像電池這樣的小物體。

吞下小物體會引起嚴重的傷害。
如果誤吞，請立即請醫生診治。

不要安裝在妨礙汽車駕駛的位置，例如方向盤和變速器（附近）。

這樣做也許會妨礙前方的視野或影響駕駛等，並引起嚴重的事故。

別讓電纜糾纏上周圍物體。

須按說明書配置電線電纜以防駕駛中發生阻撓。電纜或電線任由糾纏或懸垂於方向盤，變速桿，剎車踏板等處是很危險的。

注意

請專業人員進行配線和安裝。

本裝置的配線和安裝需要專門的技術和經驗。為了確保安全，請與您購買的經銷商聯絡以便安全地進行安裝。

使用專用配件並進行安全安裝。

注意限使用指定的附件。使用其它設計零件，可能損壞本機內部，或不能牢固地安裝到位。導致零件鬆脫發生危險或使機器故障。

安排配線使不至於被銳利金屬邊鉗夾傷。

電纜、電線須適當迂迴避開移動性部件（例如座位滑動軌道）或銳利金屬邊緣以防鉗傷電線。電線須穿過金屬板孔時，請用橡皮墊圈套住以防電線的絕緣層被金屬孔邊緣割傷。

不要安裝在極潮濕或多塵埃的位置。

避免把機器安裝在極潮濕、多塵的位置。濕氣或塵埃侵入機器裡，可能導致機器故障。

注意事項

- 在安裝 iDA-X305S 之前，請務必將電纜從電瓶的負極（-）上斷開。這樣做可以在出現短路時降低對本機造成損壞的機率。
- 請務必根據圖示連接彩色編碼的電線。連接不正確可能會造成本機故障或汽車電氣系統損壞。
- 當與汽車電氣系統相連時，請注意出廠安裝的部件（如板載電腦）。請勿搭接這些電線來接通本機的電源。當將 iDA-X305S 連接至保險絲盒時，請確保 iDA-X305S 需使用的電路的保險絲的安培值合適。若不合適，可能會造成本機和 / 或汽車的損壞。若有疑問，請諮詢您的 Alpine 經銷商。
- iDA-X305S 使用凹入式 RCA 型插孔來連接其他帶 RCA 連接器的設備（如放大器）。您可能需要轉接器來連接其他設備。如果需要轉接器，請聯絡專業 Alpine 經銷商。
- 請務必將揚聲器（-）電線連接至揚聲器（-）端子。切勿將左右聲道揚聲器電纜相互連接，或連接至車身。

重要事項

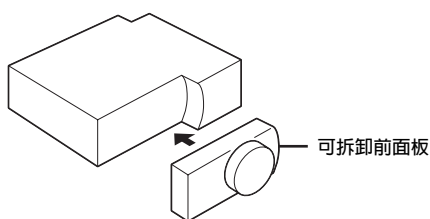
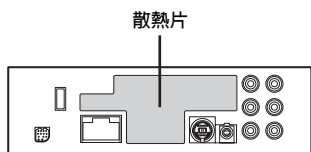
請在橫線上填上本機的系列號，並進行永久保存。系列號或刻在機身上的系列號位於機器的底部。

系列號：_____
安裝日期：_____
安裝技術人員：_____
購買地：_____

安裝

注意

請勿阻塞本機的散熱片，影響空氣流通。如果阻塞，熱量會在本機內部累積，可能引發火災。

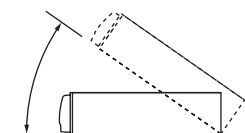


注意

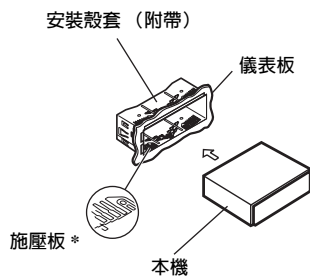
當您將本機安裝到車內時，請勿拆下可拆卸式前面板。如果在安裝過程中可拆卸式前面板被拆下，您可能按得過重使金屬板偏出固定位置。

- 必須將主機安裝在水平面 35 度的範圍內，從後往前。

小於 35°



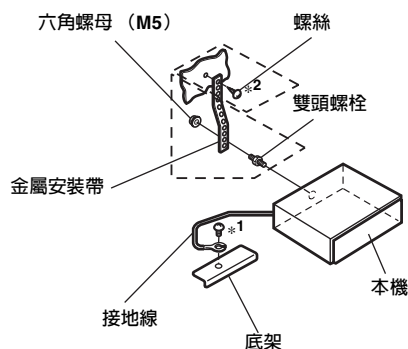
1



* 如果主機內安裝的安裝殼套鬆動，施壓板可能會稍微變寬加以固定。

從主機拆卸安裝殼套（請參閱第 35 頁的“拆卸”）。

2



用金屬安裝帶（未附帶）加固主機。用已安裝到汽車底盤上的螺絲（*1）將本機的接地線固定到清潔的金屬觸點上。

- 對於標有“*2”的螺絲，請在選定的安裝位置使用合適的螺絲。

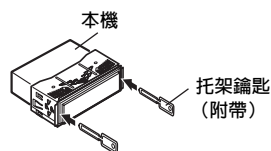
將放大器或均衡器的各輸入線連接至來自 iDA-X305S 左後部的相應輸出線。根據連接一章中所述的詳細說明，連接 iDA-X305S 的所有其他導線。

3

將 iDA-X305S 滑入儀表板直到固定到位。這樣可確保正確鎖緊本機，使機器不會從儀表板意外脫出。安裝可拆卸式前面板。

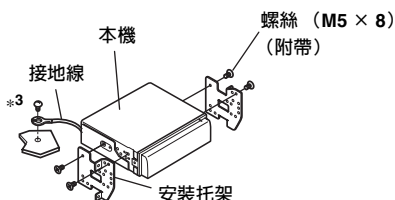
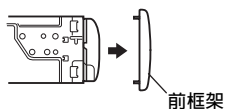
拆卸

- 拆下可拆卸式前面板。
- 將托架鑰匙沿著兩邊的導向槽插入本機。現在可將本機從安裝殼套中拆下。



- 將本機向外拉出，拉出時使其保持在解鎖狀態。

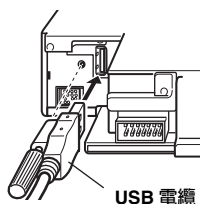
< 日本汽車 >



- 用已安裝到汽車底盤上的螺絲 (*³) 將本機的接地線固定到清潔的金屬觸點上。

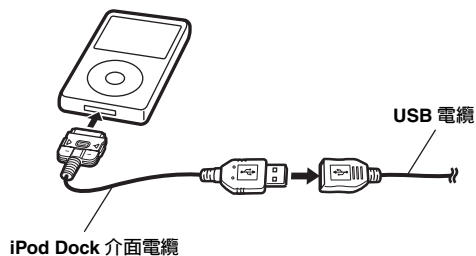
USB 電纜連接

將 USB 電纜插入本機，並用固定螺絲加以固定。



iPod/iPhone 連接 (另售)

用 iPod Dock 介面電纜將 USB 電纜連接至 iPod/iPhone。



移除 iPod/iPhone

斷開 iPod/iPhone 與 iPod Dock 介面電纜的連接。

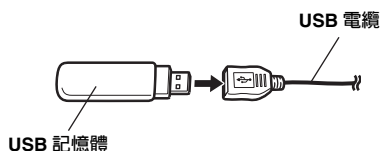


- 當本機更換為 iPod 以外的訊號源後，取下 iPod/iPhone。如果在播放歌曲時取下 iPod/iPhone 可能會造成資料損壞。
- 如果未輸出聲音，或是連接了 iPod/iPhone 但無法辨識 iPod/iPhone，取下 iPod/iPhone，然後重新連接，或是重啟 iPod/iPhone。
- 將 iPod/iPhone 連接至本機之前，先將 iPod/iPhone 的 EQ 功能設定為 OFF。
- 請勿將 iPod/iPhone 長時間遺留在車內。熱源和濕氣可能會損壞 iPod/iPhone 以使您無法再次播放。

USB 記憶體連接 (另售)

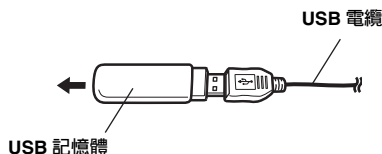
連接 USB 記憶體

將 USB 記憶體連接至 USB 電纜。



移除 USB 記憶體

從 USB 電纜上筆直拉出 USB 記憶體。

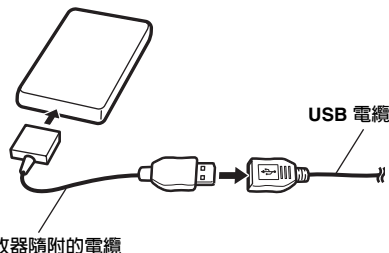


- 取下 USB 記憶體時，筆直向外拉出。
- 如果未輸出聲音，或是連接了 USB 記憶體但無法辨識 USB 記憶體，取下 USB 記憶體，然後重新連接。
- 改變成 USB 記憶體模式以外的訊號源，然後取下 USB 記憶體。如果在 USB 記憶體模式下取下 USB 記憶體，可能會造成資料損壞。

隨身音樂播放器連接 (另售)

連接隨身音樂播放器

將隨身音樂播放器隨附的電纜與 USB 電纜連接。

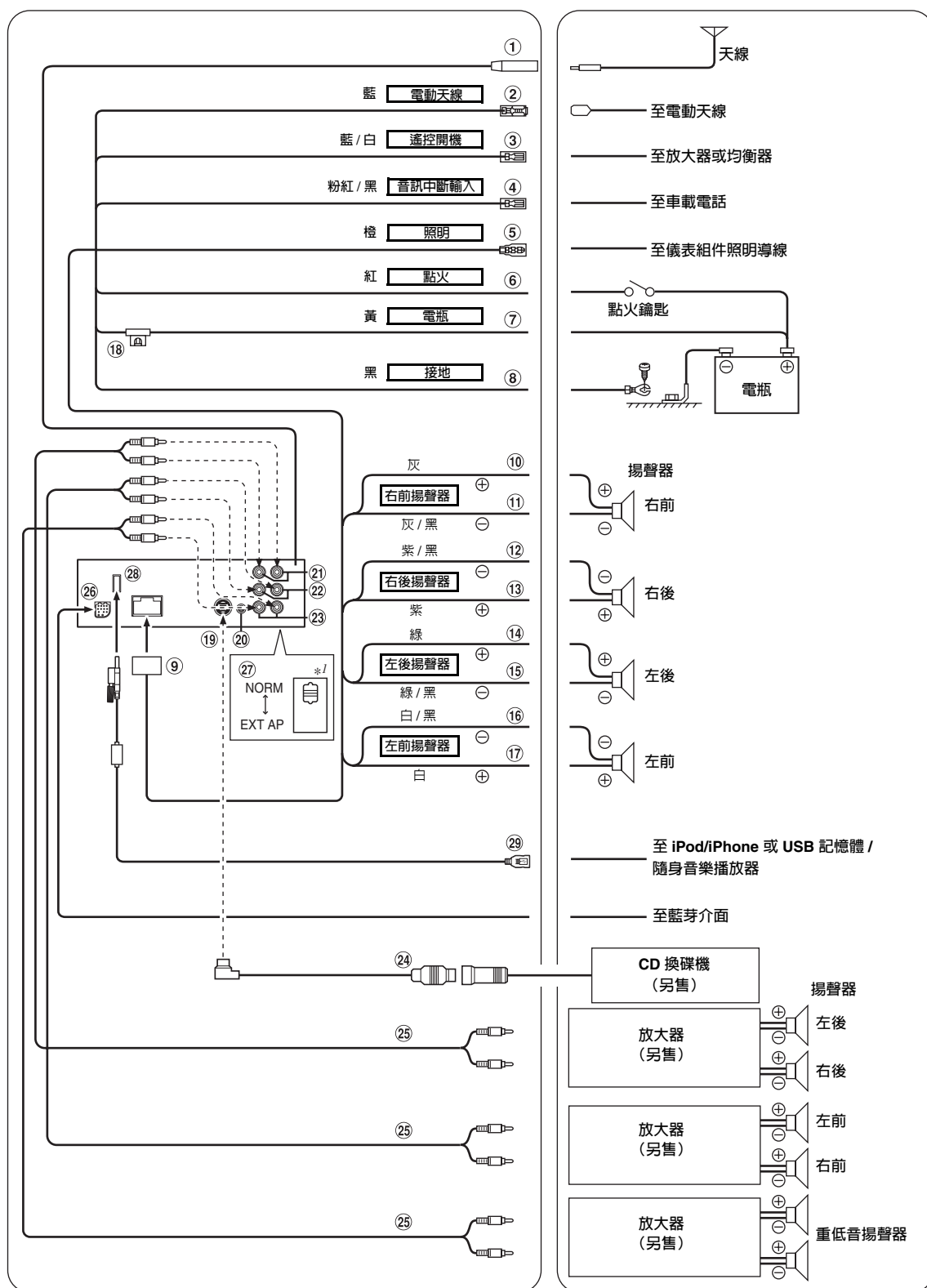


拆下隨身音樂播放器

斷開隨身音樂播放器與隨附的播放器電纜

- 也請參閱隨身音樂播放器的用戶手冊。

連接



*¹ 系統開關位於本機底部。

- ① 天線插座
- ② 電動天線導線（藍）
如果適用的話，將此導線連接至電動天線的 +B 端子。
 - 此導線只可用於控制汽車的電動天線。請勿用此導線打開放大器或訊號處理器等設備。
- ③ 遙控開機導線（藍 / 白）
將此導線連接至放大器或訊號處理器的遙控開機導線。
- ④ 音訊中斷輸入線（粉紅 / 黑）
- ⑤ 照明導線（橙）
此導線可連接至汽車的儀表組件照明導線。當開啓汽車的燈光時，這將讓 iDA-X305S 的背光變暗。
- ⑥ 切換電源線（點火）（紅）
當點火開關打開或在附件位置時，將此導線連接至汽車保險絲盒的開端或其他僅提供（+）12V 的未使用的電源。
- ⑦ 電瓶導線（黃）
將此導線連接至汽車電瓶的正極（+）端子。
- ⑧ 接地導線（黑）
將此導線連接至汽車上的良好底盤接地。務必連接至裸金屬，並使用提供的金屬螺絲牢牢固定。
- ⑨ 電源連接器
- ⑩ 右前（+）揚聲器輸出導線（灰）
- ⑪ 右前（-）揚聲器輸出導線（灰 / 黑）
- ⑫ 右後（-）揚聲器輸出導線（紫 / 黑）
- ⑬ 右後（+）揚聲器輸出導線（紫）
- ⑭ 左後（+）揚聲器輸出導線（綠）
- ⑮ 左後（-）揚聲器輸出導線（綠 / 黑）
- ⑯ 左前（-）揚聲器輸出導線（白 / 黑）
- ⑰ 左前（+）揚聲器輸出導線（白）
- ⑱ 保險絲座（10A）
- ⑲ **Ai-NET 連接器**
將其連接至其他具有 Ai-NET 的裝置（CD 換碟機、均衡器等）的輸出或輸入連接器。
 - 當連接 *DHA-S690* 時，確保將“設定連接的主機(MODEL SETUP)”設定為“DVD CHG”。
 - 不建議將 iPod 介面轉接器（KCA-420i）與本產品一起使用。
- ⑳ **轉向遙控介面連接器**
至轉向遙控介面盒。
關於連接的詳情，請聯絡附近的 Alpine 經銷商。
- ㉑ **後置輸出 / 輸入 RCA 連接器**
可作為後置輸出或輸入 RCA 連接器。
紅色的在右邊，白色的在左邊。
- ㉒ **前置輸出 / 輸入 RCA 連接器**
可作為前置輸出或輸入 RCA 連接器。
紅色的在右邊，白色的在左邊。
- ㉓ **重低音 RCA 連接器**
紅色的在右邊，白色的在左邊。
- ㉔ **Ai-NET 電纜（CD 換碟機附帶）**
- ㉕ **RCA 延長電纜（另售）**
- ㉖ **藍芽介面連接器**
將此連接器連接至選購的藍芽介面（KCE-400BT）。
若要使用免持手機，需要選購的藍芽介面連接。有關連接的詳細資訊，請參閱藍芽介面的用戶手冊。
您可以將外接裝置（如隨身音樂播放器）的音訊輸入本機的藍芽介面連接器。需要特定的轉換電纜（KCE-237B）才能將藍芽介面連接器作為 AUX IN。
- ㉗ **系統開關**
使用 Ai-NET 連接處理器或分割器時，請將此開關放在 EXT AP 位置。沒有連接裝置時，請將開關置於 NORM 位置。
 - 當連接了 *IMPRINT* 音訊處理器時，設定為 EXT AP 位置。
 - 在改變開關位置前，請務必將本機的電源關閉。
- ㉘ **USB 連接器**
連接 USB 電纜。
- ㉙ **USB 電纜**
將其連接至 USB 記憶體 / 隨身音樂播放器或 iPod/iPhone。若要使用 iPod/iPhone，則需要連接 iPod Dock 介面電纜。
 - 使用附帶的 USB 電纜。如果使用非附帶的 USB 電纜，則無法保證正常的性能。
 - 將 USB 電纜遠離其他電纜鋪設。

為了防止外部噪音進入音訊系統。

- 本機的安裝以及導線的排布應在離開汽車線束至少 10 cm 的距離。
- 儘量使電瓶電源線遠離其他導線。
- 將接地線牢固連接至汽車底盤的裸金屬觸點（如有必要，除去任何油漆、髒物或油脂）。
- 如果您要附加一個選購的噪音抑制器，連接時請儘量使其遠離本機。您的 Alpine 經銷商處備有各種類型的噪音抑制器，有關詳情請與其聯絡。
- 您的 Alpine 經銷商精通防止噪音的方法，詳情請聯絡您的經銷商。

